

すきプリ 中学数学

文字式の計算【加減】

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文字式の計算【加減】

1 次式どうしの加法

1 次式どうしの減法

問題

次の計算をしましょう。

1

$$-4x - 1 + 12x + 18$$

2

$$3x - 3 - 2x + 11$$

3

$$20x + 10 - 17x$$

4

$$12x - 15 + 8 - 8x$$

5

$$13x - 10x$$

6

$$-12x - 10 + 4 + 19x$$

7

$$-11x + 17 + 15x$$

8

$$-20x + 15 - 18 + 14x$$

9

$$-17x + 9x$$

10

$$-11x + 5 + 13x - 11$$

1

$$\begin{aligned}
 & -4x - 1 + 12x + 18 \\
 & = -4x + 12x - 1 + 18 \\
 & = (-4 + 12)x - 1 + 18 \\
 & = 8x + 17
 \end{aligned}$$

2

$$\begin{aligned}
 & 3x - 3 - 2x + 11 \\
 & = 3x - 2x - 3 + 11 \\
 & = (3 - 2)x - 3 + 11 \\
 & = x + 8
 \end{aligned}$$

3

$$\begin{aligned}
 20x + 10 - 17x & = 20x - 17x + 10 \\
 & = (20 - 17)x + 10 \\
 & = 3x + 10
 \end{aligned}$$

4

$$\begin{aligned}
 & 12x - 15 + 8 - 8x \\
 & = 12x - 8x - 15 + 8 \\
 & = (12 - 8)x - 15 + 8 \\
 & = 4x - 7
 \end{aligned}$$

5

$$\begin{aligned}
 13x - 10x & = (13 - 10)x \\
 & = 3x
 \end{aligned}$$

6

$$\begin{aligned}
 & -12x - 10 + 4 + 19x \\
 & = -12x + 19x - 10 + 4 \\
 & = (-12 + 19)x - 10 + 4 \\
 & = 7x - 6
 \end{aligned}$$

7

$$\begin{aligned}
 & -11x + 17 + 15x \\
 & = -11x + 15x + 17 \\
 & = (-11 + 15)x + 17 \\
 & = 4x + 17
 \end{aligned}$$

8

$$\begin{aligned}
 & -20x + 15 - 18 + 14x \\
 & = -20x + 14x + 15 - 18 \\
 & = (-20 + 14)x + 15 - 18 \\
 & = -6x - 3
 \end{aligned}$$

9

$$\begin{aligned}
 -17x + 9x & = (-17 + 9)x \\
 & = -8x
 \end{aligned}$$

10

$$\begin{aligned}
 & -11x + 5 + 13x - 11 \\
 & = -11x + 13x + 5 - 11 \\
 & = (-11 + 13)x + 5 - 11 \\
 & = 2x - 6
 \end{aligned}$$

1

$$6x + 14 - 12x$$

2

$$-3x - 9 + 16x + 12$$

3

$$-13x + 9x$$

4

$$-10x + 18 + 9x$$

5

$$-19x + 20 + 15x$$

6

$$20x + 7 - 13 - 5x$$

7

$$-13x + 17 + 15x - 15$$

8

$$-16x - 2 + 4x$$

9

$$9x - 12 + 5 - x$$

10

$$20x - 14 + 8 - 10x$$

1

$$\begin{aligned}
 6x + 14 - 12x &= 6x - 12x + 14 \\
 &= (6 - 12)x + 14 \\
 &= -6x + 14
 \end{aligned}$$

2

$$\begin{aligned}
 &-3x - 9 + 16x + 12 \\
 &= -3x + 16x - 9 + 12 \\
 &= (-3 + 16)x - 9 + 12 \\
 &= 13x + 3
 \end{aligned}$$

3

$$\begin{aligned}
 -13x + 9x &= (-13 + 9)x \\
 &= -4x
 \end{aligned}$$

4

$$\begin{aligned}
 &-10x + 18 + 9x \\
 &= -10x + 9x + 18 \\
 &= (-10 + 9)x + 18 \\
 &= -x + 18
 \end{aligned}$$

5

$$\begin{aligned}
 &-19x + 20 + 15x \\
 &= -19x + 15x + 20 \\
 &= (-19 + 15)x + 20 \\
 &= -4x + 20
 \end{aligned}$$

6

$$\begin{aligned}
 &20x + 7 - 13 - 5x \\
 &= 20x - 5x + 7 - 13 \\
 &= (20 - 5)x + 7 - 13 \\
 &= 15x - 6
 \end{aligned}$$

7

$$\begin{aligned}
 &-13x + 17 + 15x - 15 \\
 &= -13x + 15x + 17 - 15 \\
 &= (-13 + 15)x + 17 - 15 \\
 &= 2x + 2
 \end{aligned}$$

8

$$\begin{aligned}
 -16x - 2 + 4x &= -16x + 4x - 2 \\
 &= (-16 + 4)x - 2 \\
 &= -12x - 2
 \end{aligned}$$

9

$$\begin{aligned}
 &9x - 12 + 5 - x \\
 &= 9x - x - 12 + 5 \\
 &= (9 - 1)x - 12 + 5 \\
 &= 8x - 7
 \end{aligned}$$

10

$$\begin{aligned}
 &20x - 14 + 8 - 10x \\
 &= 20x - 10x - 14 + 8 \\
 &= (20 - 10)x - 14 + 8 \\
 &= 10x - 6
 \end{aligned}$$

1

$$5x + 20 - 12x - 18$$

2

$$x - 7 + 9 - 16x$$

3

$$16x - 19x$$

4

$$-15x + 19 + 7x - 8$$

5

$$-16x + 15x$$

6

$$-5x - 20 + 10x$$

7

$$6x + 19 - 10x - 19$$

8

$$2x - 16x$$

9

$$-13x + 15 + 4x$$

10

$$-5x - 16 + 16x + 5$$

1

$$\begin{aligned}
 & 5x + 20 - 12x - 18 \\
 &= 5x - 12x + 20 - 18 \\
 &= (5 - 12)x + 20 - 18 \\
 &= -7x + 2
 \end{aligned}$$

2

$$\begin{aligned}
 & x - 7 + 9 - 16x \\
 &= x - 16x - 7 + 9 \\
 &= (1 - 16)x - 7 + 9 \\
 &= -15x + 2
 \end{aligned}$$

3

$$\begin{aligned}
 16x - 19x &= (16 - 19)x \\
 &= -3x
 \end{aligned}$$

4

$$\begin{aligned}
 & -15x + 19 + 7x - 8 \\
 &= -15x + 7x + 19 - 8 \\
 &= (-15 + 7)x + 19 - 8 \\
 &= -8x + 11
 \end{aligned}$$

5

$$\begin{aligned}
 -16x + 15x &= (-16 + 15)x \\
 &= -x
 \end{aligned}$$

6

$$\begin{aligned}
 & -5x - 20 + 10x \\
 &= -5x + 10x - 20 \\
 &= (-5 + 10)x - 20 \\
 &= 5x - 20
 \end{aligned}$$

7

$$\begin{aligned}
 & 6x + 19 - 10x - 19 \\
 &= 6x - 10x + 19 - 19 \\
 &= (6 - 10)x + 19 - 19 \\
 &= -4x
 \end{aligned}$$

8

$$\begin{aligned}
 2x - 16x &= (2 - 16)x \\
 &= -14x
 \end{aligned}$$

9

$$\begin{aligned}
 & -13x + 15 + 4x \\
 &= -13x + 4x + 15 \\
 &= (-13 + 4)x + 15 \\
 &= -9x + 15
 \end{aligned}$$

10

$$\begin{aligned}
 & -5x - 16 + 16x + 5 \\
 &= -5x + 16x - 16 + 5 \\
 &= (-5 + 16)x - 16 + 5 \\
 &= 11x - 11
 \end{aligned}$$

1

$$-16x - 4 + 2 + 6x$$

2

$$-7x + 5x$$

3

$$5x - 14 - 2x + 12$$

4

$$16x - 9x$$

5

$$16x - 16x$$

6

$$-14x - 3 + 18x$$

7

$$10x - 9x$$

8

$$18x + 11 - 6x - 1$$

9

$$-18x - 4 + 19x$$

10

$$-6x + 6x$$

1

$$\begin{aligned} & -16x - 4 + 2 + 6x \\ &= -16x + 6x - 4 + 2 \\ &= (-16 + 6)x - 4 + 2 \\ &= -10x - 2 \end{aligned}$$

3

$$\begin{aligned} & 5x - 14 - 2x + 12 \\ &= 5x - 2x - 14 + 12 \\ &= (5 - 2)x - 14 + 12 \\ &= 3x - 2 \end{aligned}$$

5

$$\begin{aligned} 16x - 16x &= (16 - 16)x \\ &= 0 \end{aligned}$$

7

$$\begin{aligned} 10x - 9x &= (10 - 9)x \\ &= x \end{aligned}$$

9

$$\begin{aligned} & -18x - 4 + 19x \\ &= -18x + 19x - 4 \\ &= (-18 + 19)x - 4 \\ &= x - 4 \end{aligned}$$

2

$$\begin{aligned} -7x + 5x &= (-7 + 5)x \\ &= -2x \end{aligned}$$

4

$$\begin{aligned} 16x - 9x &= (16 - 9)x \\ &= 7x \end{aligned}$$

6

$$\begin{aligned} & -14x - 3 + 18x \\ &= -14x + 18x - 3 \\ &= (-14 + 18)x - 3 \\ &= 4x - 3 \end{aligned}$$

8

$$\begin{aligned} & 18x + 11 - 6x - 1 \\ &= 18x - 6x + 11 - 1 \\ &= (18 - 6)x + 11 - 1 \\ &= 12x + 10 \end{aligned}$$

10

$$\begin{aligned} -6x + 6x &= (-6 + 6)x \\ &= 0 \end{aligned}$$

1

$$-16x + 2 - 5 + 19x$$

2

$$-3x - 10 + 9 + 20x$$

3

$$-10x + 5x$$

4

$$-10x + 2x$$

5

$$-5x - 1 + 9 + 19x$$

6

$$-5x + 8 - 14 + 4x$$

7

$$13x - 6 - 5x + 5$$

8

$$18x + 4 - 19x$$

9

$$-4x - 16 + 5 + 15x$$

10

$$-7x - 3 + 10x + 12$$

1

$$\begin{aligned}
 & -16x + 2 - 5 + 19x \\
 & = -16x + 19x + 2 - 5 \\
 & = (-16 + 19)x + 2 - 5 \\
 & = 3x - 3
 \end{aligned}$$

2

$$\begin{aligned}
 & -3x - 10 + 9 + 20x \\
 & = -3x + 20x - 10 + 9 \\
 & = (-3 + 20)x - 10 + 9 \\
 & = 17x - 1
 \end{aligned}$$

3

$$\begin{aligned}
 -10x + 5x & = (-10 + 5)x \\
 & = -5x
 \end{aligned}$$

4

$$\begin{aligned}
 -10x + 2x & = (-10 + 2)x \\
 & = -8x
 \end{aligned}$$

5

$$\begin{aligned}
 & -5x - 1 + 9 + 19x \\
 & = -5x + 19x - 1 + 9 \\
 & = (-5 + 19)x - 1 + 9 \\
 & = 14x + 8
 \end{aligned}$$

6

$$\begin{aligned}
 & -5x + 8 - 14 + 4x \\
 & = -5x + 4x + 8 - 14 \\
 & = (-5 + 4)x + 8 - 14 \\
 & = -x - 6
 \end{aligned}$$

7

$$\begin{aligned}
 & 13x - 6 - 5x + 5 \\
 & = 13x - 5x - 6 + 5 \\
 & = (13 - 5)x - 6 + 5 \\
 & = 8x - 1
 \end{aligned}$$

8

$$\begin{aligned}
 18x + 4 - 19x & = 18x - 19x + 4 \\
 & = (18 - 19)x + 4 \\
 & = -x + 4
 \end{aligned}$$

9

$$\begin{aligned}
 & -4x - 16 + 5 + 15x \\
 & = -4x + 15x - 16 + 5 \\
 & = (-4 + 15)x - 16 + 5 \\
 & = 11x - 11
 \end{aligned}$$

10

$$\begin{aligned}
 & -7x - 3 + 10x + 12 \\
 & = -7x + 10x - 3 + 12 \\
 & = (-7 + 10)x - 3 + 12 \\
 & = 3x + 9
 \end{aligned}$$

1

$$-12x + 8x$$

2

$$-13x - 18 + 15x + 18$$

3

$$11x - 7 - 18x + 19$$

4

$$18x - 7 + 3 - 13x$$

5

$$2x - 19 - x + 12$$

6

$$x - 20 + 9 - 7x$$

7

$$15x - 2 - 4x$$

8

$$-15x - 9 + 4x$$

9

$$-2x + 18x$$

10

$$9x + 17 - 9x - 8$$

1

$$\begin{aligned} -12x + 8x &= (-12 + 8)x \\ &= -4x \end{aligned}$$

2

$$\begin{aligned} &-13x - 18 + 15x + 18 \\ &= -13x + 15x - 18 + 18 \\ &= (-13 + 15)x - 18 + 18 \\ &= 2x \end{aligned}$$

3

$$\begin{aligned} &11x - 7 - 18x + 19 \\ &= 11x - 18x - 7 + 19 \\ &= (11 - 18)x - 7 + 19 \\ &= -7x + 12 \end{aligned}$$

4

$$\begin{aligned} &18x - 7 + 3 - 13x \\ &= 18x - 13x - 7 + 3 \\ &= (18 - 13)x - 7 + 3 \\ &= 5x - 4 \end{aligned}$$

5

$$\begin{aligned} &2x - 19 - x + 12 \\ &= 2x - x - 19 + 12 \\ &= (2 - 1)x - 19 + 12 \\ &= x - 7 \end{aligned}$$

6

$$\begin{aligned} &x - 20 + 9 - 7x \\ &= x - 7x - 20 + 9 \\ &= (1 - 7)x - 20 + 9 \\ &= -6x - 11 \end{aligned}$$

7

$$\begin{aligned} 15x - 2 - 4x &= 15x - 4x - 2 \\ &= (15 - 4)x - 2 \\ &= 11x - 2 \end{aligned}$$

8

$$\begin{aligned} -15x - 9 + 4x &= -15x + 4x - 9 \\ &= (-15 + 4)x - 9 \\ &= -11x - 9 \end{aligned}$$

9

$$\begin{aligned} -2x + 18x &= (-2 + 18)x \\ &= 16x \end{aligned}$$

10

$$\begin{aligned} &9x + 17 - 9x - 8 \\ &= 9x - 9x + 17 - 8 \\ &= (9 - 9)x + 17 - 8 \\ &= 9 \end{aligned}$$

1

$$-3x - 8 + 16 + 10x$$

2

$$x + 20 - 6x$$

3

$$-12x - 17 + 14x + 7$$

4

$$-8x + 10x$$

5

$$-9x + 12 - 16 + 19x$$

6

$$7x - 17x$$

7

$$15x - 16 + 11 - x$$

8

$$-6x - 19 + 17x + 11$$

9

$$-3x + 6x$$

10

$$-3x - 1 + 13x$$

1

$$\begin{aligned}
 & -3x - 8 + 16 + 10x \\
 & = -3x + 10x - 8 + 16 \\
 & = (-3 + 10)x - 8 + 16 \\
 & = 7x + 8
 \end{aligned}$$

2

$$\begin{aligned}
 x + 20 - 6x & = x - 6x + 20 \\
 & = (1 - 6)x + 20 \\
 & = -5x + 20
 \end{aligned}$$

3

$$\begin{aligned}
 & -12x - 17 + 14x + 7 \\
 & = -12x + 14x - 17 + 7 \\
 & = (-12 + 14)x - 17 + 7 \\
 & = 2x - 10
 \end{aligned}$$

4

$$\begin{aligned}
 -8x + 10x & = (-8 + 10)x \\
 & = 2x
 \end{aligned}$$

5

$$\begin{aligned}
 & -9x + 12 - 16 + 19x \\
 & = -9x + 19x + 12 - 16 \\
 & = (-9 + 19)x + 12 - 16 \\
 & = 10x - 4
 \end{aligned}$$

6

$$\begin{aligned}
 7x - 17x & = (7 - 17)x \\
 & = -10x
 \end{aligned}$$

7

$$\begin{aligned}
 & 15x - 16 + 11 - x \\
 & = 15x - x - 16 + 11 \\
 & = (15 - 1)x - 16 + 11 \\
 & = 14x - 5
 \end{aligned}$$

8

$$\begin{aligned}
 & -6x - 19 + 17x + 11 \\
 & = -6x + 17x - 19 + 11 \\
 & = (-6 + 17)x - 19 + 11 \\
 & = 11x - 8
 \end{aligned}$$

9

$$\begin{aligned}
 -3x + 6x & = (-3 + 6)x \\
 & = 3x
 \end{aligned}$$

10

$$\begin{aligned}
 -3x - 1 + 13x & = -3x + 13x - 1 \\
 & = (-3 + 13)x - 1 \\
 & = 10x - 1
 \end{aligned}$$

1

$$-6x - 13 + 12x$$

2

$$14x - 8 + 18 - 10x$$

3

$$13x + 6 - 19x$$

4

$$14x + 3 - 5 - 18x$$

5

$$-x + 15x$$

6

$$6x - 6 - 8x + 10$$

7

$$-3x + 3x$$

8

$$-x + 15 + 16x - 13$$

9

$$-8x - 16 + 18 + 6x$$

10

$$-17x + 17 - 7 + 14x$$

1

$$\begin{aligned}
 & -6x - 13 + 12x \\
 & = -6x + 12x - 13 \\
 & = (-6 + 12)x - 13 \\
 & = 6x - 13
 \end{aligned}$$

2

$$\begin{aligned}
 & 14x - 8 + 18 - 10x \\
 & = 14x - 10x - 8 + 18 \\
 & = (14 - 10)x - 8 + 18 \\
 & = 4x + 10
 \end{aligned}$$

3

$$\begin{aligned}
 13x + 6 - 19x & = 13x - 19x + 6 \\
 & = (13 - 19)x + 6 \\
 & = -6x + 6
 \end{aligned}$$

4

$$\begin{aligned}
 & 14x + 3 - 5 - 18x \\
 & = 14x - 18x + 3 - 5 \\
 & = (14 - 18)x + 3 - 5 \\
 & = -4x - 2
 \end{aligned}$$

5

$$\begin{aligned}
 -x + 15x & = (-1 + 15)x \\
 & = 14x
 \end{aligned}$$

6

$$\begin{aligned}
 & 6x - 6 - 8x + 10 \\
 & = 6x - 8x - 6 + 10 \\
 & = (6 - 8)x - 6 + 10 \\
 & = -2x + 4
 \end{aligned}$$

7

$$\begin{aligned}
 -3x + 3x & = (-3 + 3)x \\
 & = 0
 \end{aligned}$$

8

$$\begin{aligned}
 & -x + 15 + 16x - 13 \\
 & = -x + 16x + 15 - 13 \\
 & = (-1 + 16)x + 15 - 13 \\
 & = 15x + 2
 \end{aligned}$$

9

$$\begin{aligned}
 & -8x - 16 + 18 + 6x \\
 & = -8x + 6x - 16 + 18 \\
 & = (-8 + 6)x - 16 + 18 \\
 & = -2x + 2
 \end{aligned}$$

10

$$\begin{aligned}
 & -17x + 17 - 7 + 14x \\
 & = -17x + 14x + 17 - 7 \\
 & = (-17 + 14)x + 17 - 7 \\
 & = -3x + 10
 \end{aligned}$$

1

$$15x - 15x$$

2

$$-11x - 6 + 11x$$

3

$$-3x + 19x$$

4

$$-3x + 8 - 19 + 8x$$

5

$$-4x + 16 + 7x - 13$$

6

$$17x - 12 - 12x + 5$$

7

$$-4x + 1 - 16 + 11x$$

8

$$12x + 6 - 7x$$

9

$$-12x + 7x$$

10

$$6x + 5 - 8x$$

1

$$\begin{aligned} 15x - 15x &= (15 - 15)x \\ &= 0 \end{aligned}$$

2

$$\begin{aligned} &-11x - 6 + 11x \\ &= -11x + 11x - 6 \\ &= (-11 + 11)x - 6 \\ &= -6 \end{aligned}$$

3

$$\begin{aligned} -3x + 19x &= (-3 + 19)x \\ &= 16x \end{aligned}$$

4

$$\begin{aligned} &-3x + 8 - 19 + 8x \\ &= -3x + 8x + 8 - 19 \\ &= (-3 + 8)x + 8 - 19 \\ &= 5x - 11 \end{aligned}$$

5

$$\begin{aligned} &-4x + 16 + 7x - 13 \\ &= -4x + 7x + 16 - 13 \\ &= (-4 + 7)x + 16 - 13 \\ &= 3x + 3 \end{aligned}$$

6

$$\begin{aligned} &17x - 12 - 12x + 5 \\ &= 17x - 12x - 12 + 5 \\ &= (17 - 12)x - 12 + 5 \\ &= 5x - 7 \end{aligned}$$

7

$$\begin{aligned} &-4x + 1 - 16 + 11x \\ &= -4x + 11x + 1 - 16 \\ &= (-4 + 11)x + 1 - 16 \\ &= 7x - 15 \end{aligned}$$

8

$$\begin{aligned} 12x + 6 - 7x &= 12x - 7x + 6 \\ &= (12 - 7)x + 6 \\ &= 5x + 6 \end{aligned}$$

9

$$\begin{aligned} -12x + 7x &= (-12 + 7)x \\ &= -5x \end{aligned}$$

10

$$\begin{aligned} 6x + 5 - 8x &= 6x - 8x + 5 \\ &= (6 - 8)x + 5 \\ &= -2x + 5 \end{aligned}$$

1

$$2x - 12 - 4x + 1$$

2

$$2x + 3 - 20x$$

3

$$-8x + 5 + 17x - 13$$

4

$$-10x + 15x$$

5

$$14x - 7x$$

6

$$18x - 15 + 12 - 3x$$

7

$$-4x - 3 + 10 + 16x$$

8

$$19x - 11x$$

9

$$15x + 11 - 12x$$

10

$$18x - 8 - 5x$$

1

$$\begin{aligned}
 & 2x - 12 - 4x + 1 \\
 &= 2x - 4x - 12 + 1 \\
 &= (2 - 4)x - 12 + 1 \\
 &= -2x - 11
 \end{aligned}$$

2

$$\begin{aligned}
 2x + 3 - 20x &= 2x - 20x + 3 \\
 &= (2 - 20)x + 3 \\
 &= -18x + 3
 \end{aligned}$$

3

$$\begin{aligned}
 & -8x + 5 + 17x - 13 \\
 &= -8x + 17x + 5 - 13 \\
 &= (-8 + 17)x + 5 - 13 \\
 &= 9x - 8
 \end{aligned}$$

4

$$\begin{aligned}
 -10x + 15x &= (-10 + 15)x \\
 &= 5x
 \end{aligned}$$

5

$$\begin{aligned}
 14x - 7x &= (14 - 7)x \\
 &= 7x
 \end{aligned}$$

6

$$\begin{aligned}
 & 18x - 15 + 12 - 3x \\
 &= 18x - 3x - 15 + 12 \\
 &= (18 - 3)x - 15 + 12 \\
 &= 15x - 3
 \end{aligned}$$

7

$$\begin{aligned}
 & -4x - 3 + 10 + 16x \\
 &= -4x + 16x - 3 + 10 \\
 &= (-4 + 16)x - 3 + 10 \\
 &= 12x + 7
 \end{aligned}$$

8

$$\begin{aligned}
 19x - 11x &= (19 - 11)x \\
 &= 8x
 \end{aligned}$$

9

$$\begin{aligned}
 15x + 11 - 12x &= 15x - 12x + 11 \\
 &= (15 - 12)x + 11 \\
 &= 3x + 11
 \end{aligned}$$

10

$$\begin{aligned}
 18x - 8 - 5x &= 18x - 5x - 8 \\
 &= (18 - 5)x - 8 \\
 &= 13x - 8
 \end{aligned}$$

1

$$-10x + 11x$$

2

$$-7x + 19 + 20x - 10$$

3

$$17x - 18 - 2x$$

4

$$-6x + 8x$$

5

$$-x + 11x$$

6

$$-13x + 7 - 3 + 13x$$

7

$$-18x + 17 + 10x$$

8

$$-4x - 4 + 13x$$

9

$$-8x + 12 + 19x - 10$$

10

$$-2x - 10 + 9x + 15$$

1

$$\begin{aligned} -10x + 11x &= (-10 + 11)x \\ &= x \end{aligned}$$

2

$$\begin{aligned} -7x + 19 + 20x - 10 & \\ &= -7x + 20x + 19 - 10 \\ &= (-7 + 20)x + 19 - 10 \\ &= 13x + 9 \end{aligned}$$

3

$$\begin{aligned} 17x - 18 - 2x &= 17x - 2x - 18 \\ &= (17 - 2)x - 18 \\ &= 15x - 18 \end{aligned}$$

4

$$\begin{aligned} -6x + 8x &= (-6 + 8)x \\ &= 2x \end{aligned}$$

5

$$\begin{aligned} -x + 11x &= (-1 + 11)x \\ &= 10x \end{aligned}$$

6

$$\begin{aligned} -13x + 7 - 3 + 13x & \\ &= -13x + 13x + 7 - 3 \\ &= (-13 + 13)x + 7 - 3 \\ &= 4 \end{aligned}$$

7

$$\begin{aligned} -18x + 17 + 10x & \\ &= -18x + 10x + 17 \\ &= (-18 + 10)x + 17 \\ &= -8x + 17 \end{aligned}$$

8

$$\begin{aligned} -4x - 4 + 13x &= -4x + 13x - 4 \\ &= (-4 + 13)x - 4 \\ &= 9x - 4 \end{aligned}$$

9

$$\begin{aligned} -8x + 12 + 19x - 10 & \\ &= -8x + 19x + 12 - 10 \\ &= (-8 + 19)x + 12 - 10 \\ &= 11x + 2 \end{aligned}$$

10

$$\begin{aligned} -2x - 10 + 9x + 15 & \\ &= -2x + 9x - 10 + 15 \\ &= (-2 + 9)x - 10 + 15 \\ &= 7x + 5 \end{aligned}$$

1

$$9x - 12x$$

2

$$9x - 10 - 9x$$

3

$$-6x + 4x$$

4

$$13x + 17 - 2 - 18x$$

5

$$10x + 9 - 10x$$

6

$$-12x - 15 + 8 + 8x$$

7

$$12x - 10 - 4x + 19$$

8

$$20x - 4x$$

9

$$18x + 10 - 5x - 15$$

10

$$-20x - 1 + 10 + 10x$$

1

$$\begin{aligned} 9x - 12x &= (9 - 12)x \\ &= -3x \end{aligned}$$

2

$$\begin{aligned} 9x - 10 - 9x &= 9x - 9x - 10 \\ &= (9 - 9)x - 10 \\ &= -10 \end{aligned}$$

3

$$\begin{aligned} -6x + 4x &= (-6 + 4)x \\ &= -2x \end{aligned}$$

4

$$\begin{aligned} &13x + 17 - 2 - 18x \\ &= 13x - 18x + 17 - 2 \\ &= (13 - 18)x + 17 - 2 \\ &= -5x + 15 \end{aligned}$$

5

$$\begin{aligned} 10x + 9 - 10x &= 10x - 10x + 9 \\ &= (10 - 10)x + 9 \\ &= 9 \end{aligned}$$

6

$$\begin{aligned} &-12x - 15 + 8 + 8x \\ &= -12x + 8x - 15 + 8 \\ &= (-12 + 8)x - 15 + 8 \\ &= -4x - 7 \end{aligned}$$

7

$$\begin{aligned} &12x - 10 - 4x + 19 \\ &= 12x - 4x - 10 + 19 \\ &= (12 - 4)x - 10 + 19 \\ &= 8x + 9 \end{aligned}$$

8

$$\begin{aligned} 20x - 4x &= (20 - 4)x \\ &= 16x \end{aligned}$$

9

$$\begin{aligned} &18x + 10 - 5x - 15 \\ &= 18x - 5x + 10 - 15 \\ &= (18 - 5)x + 10 - 15 \\ &= 13x - 5 \end{aligned}$$

10

$$\begin{aligned} &-20x - 1 + 10 + 10x \\ &= -20x + 10x - 1 + 10 \\ &= (-20 + 10)x - 1 + 10 \\ &= -10x + 9 \end{aligned}$$

1

$$-16x - 14 + 12x$$

2

$$-4x + 13 - 5 + 15x$$

3

$$8x - 12 - 8x$$

4

$$17x - 4 - 4x + 2$$

5

$$-10x - 9 + 10x$$

6

$$15x - 8 - 7x + 10$$

7

$$-16x + 10x$$

8

$$-7x + 12 + 12x - 17$$

9

$$16x - 5x$$

10

$$-17x - 9 + 18 + 10x$$

1

$$\begin{aligned} & -16x - 14 + 12x \\ &= -16x + 12x - 14 \\ &= (-16 + 12)x - 14 \\ &= -4x - 14 \end{aligned}$$

2

$$\begin{aligned} & -4x + 13 - 5 + 15x \\ &= -4x + 15x + 13 - 5 \\ &= (-4 + 15)x + 13 - 5 \\ &= 11x + 8 \end{aligned}$$

3

$$\begin{aligned} 8x - 12 - 8x &= 8x - 8x - 12 \\ &= (8 - 8)x - 12 \\ &= -12 \end{aligned}$$

4

$$\begin{aligned} & 17x - 4 - 4x + 2 \\ &= 17x - 4x - 4 + 2 \\ &= (17 - 4)x - 4 + 2 \\ &= 13x - 2 \end{aligned}$$

5

$$\begin{aligned} & -10x - 9 + 10x \\ &= -10x + 10x - 9 \\ &= (-10 + 10)x - 9 \\ &= -9 \end{aligned}$$

6

$$\begin{aligned} & 15x - 8 - 7x + 10 \\ &= 15x - 7x - 8 + 10 \\ &= (15 - 7)x - 8 + 10 \\ &= 8x + 2 \end{aligned}$$

7

$$\begin{aligned} -16x + 10x &= (-16 + 10)x \\ &= -6x \end{aligned}$$

8

$$\begin{aligned} & -7x + 12 + 12x - 17 \\ &= -7x + 12x + 12 - 17 \\ &= (-7 + 12)x + 12 - 17 \\ &= 5x - 5 \end{aligned}$$

9

$$\begin{aligned} 16x - 5x &= (16 - 5)x \\ &= 11x \end{aligned}$$

10

$$\begin{aligned} & -17x - 9 + 18 + 10x \\ &= -17x + 10x - 9 + 18 \\ &= (-17 + 10)x - 9 + 18 \\ &= -7x + 9 \end{aligned}$$

1

$$-16x + x$$

2

$$-17x - 14 + 3 + 3x$$

3

$$11x - 10x$$

4

$$4x - 13x$$

5

$$11x - 13 - 11x$$

6

$$-10x + 16x$$

7

$$-18x - 16 + 3x$$

8

$$-3x - 9 + 16x$$

9

$$3x - 19x$$

10

$$7x - 18x$$

1

$$\begin{aligned} -16x + x &= (-16 + 1)x \\ &= -15x \end{aligned}$$

2

$$\begin{aligned} -17x - 14 + 3 + 3x & \\ &= -17x + 3x - 14 + 3 \\ &= (-17 + 3)x - 14 + 3 \\ &= -14x - 11 \end{aligned}$$

3

$$\begin{aligned} 11x - 10x &= (11 - 10)x \\ &= x \end{aligned}$$

4

$$\begin{aligned} 4x - 13x &= (4 - 13)x \\ &= -9x \end{aligned}$$

5

$$\begin{aligned} 11x - 13 - 11x &= 11x - 11x - 13 \\ &= (11 - 11)x - 13 \\ &= -13 \end{aligned}$$

6

$$\begin{aligned} -10x + 16x &= (-10 + 16)x \\ &= 6x \end{aligned}$$

7

$$\begin{aligned} -18x - 16 + 3x & \\ &= -18x + 3x - 16 \\ &= (-18 + 3)x - 16 \\ &= -15x - 16 \end{aligned}$$

8

$$\begin{aligned} -3x - 9 + 16x &= -3x + 16x - 9 \\ &= (-3 + 16)x - 9 \\ &= 13x - 9 \end{aligned}$$

9

$$\begin{aligned} 3x - 19x &= (3 - 19)x \\ &= -16x \end{aligned}$$

10

$$\begin{aligned} 7x - 18x &= (7 - 18)x \\ &= -11x \end{aligned}$$

1

$$3x - 7 - 17x + 12$$

2

$$12x - 11 + 13 - 13x$$

3

$$-11x + 7 + 4x$$

4

$$11x - 2 - x$$

5

$$5x - 13 + 9 - 4x$$

6

$$-x + 2 + 13x$$

7

$$-14x + 1 - 17 + 6x$$

8

$$-17x + 8 + 4x$$

9

$$-18x + 5 - 17 + 16x$$

10

$$-x - 13 + 8x + 10$$

1

$$\begin{aligned}
 & 3x - 7 - 17x + 12 \\
 &= 3x - 17x - 7 + 12 \\
 &= (3 - 17)x - 7 + 12 \\
 &= -14x + 5
 \end{aligned}$$

2

$$\begin{aligned}
 & 12x - 11 + 13 - 13x \\
 &= 12x - 13x - 11 + 13 \\
 &= (12 - 13)x - 11 + 13 \\
 &= -x + 2
 \end{aligned}$$

3

$$\begin{aligned}
 -11x + 7 + 4x &= -11x + 4x + 7 \\
 &= (-11 + 4)x + 7 \\
 &= -7x + 7
 \end{aligned}$$

4

$$\begin{aligned}
 11x - 2 - x &= 11x - x - 2 \\
 &= (11 - 1)x - 2 \\
 &= 10x - 2
 \end{aligned}$$

5

$$\begin{aligned}
 & 5x - 13 + 9 - 4x \\
 &= 5x - 4x - 13 + 9 \\
 &= (5 - 4)x - 13 + 9 \\
 &= x - 4
 \end{aligned}$$

6

$$\begin{aligned}
 -x + 2 + 13x &= -x + 13x + 2 \\
 &= (-1 + 13)x + 2 \\
 &= 12x + 2
 \end{aligned}$$

7

$$\begin{aligned}
 & -14x + 1 - 17 + 6x \\
 &= -14x + 6x + 1 - 17 \\
 &= (-14 + 6)x + 1 - 17 \\
 &= -8x - 16
 \end{aligned}$$

8

$$\begin{aligned}
 -17x + 8 + 4x &= -17x + 4x + 8 \\
 &= (-17 + 4)x + 8 \\
 &= -13x + 8
 \end{aligned}$$

9

$$\begin{aligned}
 & -18x + 5 - 17 + 16x \\
 &= -18x + 16x + 5 - 17 \\
 &= (-18 + 16)x + 5 - 17 \\
 &= -2x - 12
 \end{aligned}$$

10

$$\begin{aligned}
 & -x - 13 + 8x + 10 \\
 &= -x + 8x - 13 + 10 \\
 &= (-1 + 8)x - 13 + 10 \\
 &= 7x - 3
 \end{aligned}$$

問題

次の計算をしましょう。

1

$$(11x - 13) + (-11x + 19)$$

2

$$(8x - 2) + (-18x + 5)$$

3

$$(-12x + 5) + (17x - 1)$$

4

$$(3x - 16) + (-2x + 5)$$

5

$$(4x + 7) + (-9x - 18)$$

6

$$(7x + 11) + (-6x - 18)$$

7

$$(5x + 8) + (-4x - 14)$$

8

$$(20x + 20) + (-5x - 6)$$

1

$$\begin{aligned}
 & (11x - 13) + (-11x + 19) \\
 &= 11x - 13 - 11x + 19 \\
 &= 11x - 11x - 13 + 19 \\
 &= (11 - 11)x - 13 + 19 \\
 &= 6
 \end{aligned}$$

2

$$\begin{aligned}
 & (8x - 2) + (-18x + 5) \\
 &= 8x - 2 - 18x + 5 \\
 &= 8x - 18x - 2 + 5 \\
 &= (8 - 18)x - 2 + 5 \\
 &= -10x + 3
 \end{aligned}$$

3

$$\begin{aligned}
 & (-12x + 5) + (17x - 1) \\
 &= -12x + 5 + 17x - 1 \\
 &= -12x + 17x + 5 - 1 \\
 &= (-12 + 17)x + 5 - 1 \\
 &= 5x + 4
 \end{aligned}$$

4

$$\begin{aligned}
 & (3x - 16) + (-2x + 5) \\
 &= 3x - 16 - 2x + 5 \\
 &= 3x - 2x - 16 + 5 \\
 &= (3 - 2)x - 16 + 5 \\
 &= x - 11
 \end{aligned}$$

5

$$\begin{aligned}
 & (4x + 7) + (-9x - 18) \\
 &= 4x + 7 - 9x - 18 \\
 &= 4x - 9x + 7 - 18 \\
 &= (4 - 9)x + 7 - 18 \\
 &= -5x - 11
 \end{aligned}$$

6

$$\begin{aligned}
 & (7x + 11) + (-6x - 18) \\
 &= 7x + 11 - 6x - 18 \\
 &= 7x - 6x + 11 - 18 \\
 &= (7 - 6)x + 11 - 18 \\
 &= x - 7
 \end{aligned}$$

7

$$\begin{aligned}
 & (5x + 8) + (-4x - 14) \\
 &= 5x + 8 - 4x - 14 \\
 &= 5x - 4x + 8 - 14 \\
 &= (5 - 4)x + 8 - 14 \\
 &= x - 6
 \end{aligned}$$

8

$$\begin{aligned}
 & (20x + 20) + (-5x - 6) \\
 &= 20x + 20 - 5x - 6 \\
 &= 20x - 5x + 20 - 6 \\
 &= (20 - 5)x + 20 - 6 \\
 &= 15x + 14
 \end{aligned}$$

1

$$(-8x + 5) + (17x - 13)$$

2

$$(-10x + 13) + (6x - 6)$$

3

$$(8x - 7) + (-x + 20)$$

4

$$(-10x - 13) + (12x + 20)$$

5

$$(9x - 19) + (-15x + 13)$$

6

$$(7x + 3) + (-10x - 12)$$

7

$$(9x + 10) + (-x - 5)$$

8

$$(3x + 15) + (-16x - 8)$$

1

$$\begin{aligned}
 & (-8x + 5) + (17x - 13) \\
 &= -8x + 5 + 17x - 13 \\
 &= -8x + 17x + 5 - 13 \\
 &= (-8 + 17)x + 5 - 13 \\
 &= 9x - 8
 \end{aligned}$$

2

$$\begin{aligned}
 & (-10x + 13) + (6x - 6) \\
 &= -10x + 13 + 6x - 6 \\
 &= -10x + 6x + 13 - 6 \\
 &= (-10 + 6)x + 13 - 6 \\
 &= -4x + 7
 \end{aligned}$$

3

$$\begin{aligned}
 & (8x - 7) + (-x + 20) \\
 &= 8x - 7 - x + 20 \\
 &= 8x - x - 7 + 20 \\
 &= (8 - 1)x - 7 + 20 \\
 &= 7x + 13
 \end{aligned}$$

4

$$\begin{aligned}
 & (-10x - 13) + (12x + 20) \\
 &= -10x - 13 + 12x + 20 \\
 &= -10x + 12x - 13 + 20 \\
 &= (-10 + 12)x - 13 + 20 \\
 &= 2x + 7
 \end{aligned}$$

5

$$\begin{aligned}
 & (9x - 19) + (-15x + 13) \\
 &= 9x - 19 - 15x + 13 \\
 &= 9x - 15x - 19 + 13 \\
 &= (9 - 15)x - 19 + 13 \\
 &= -6x - 6
 \end{aligned}$$

6

$$\begin{aligned}
 & (7x + 3) + (-10x - 12) \\
 &= 7x + 3 - 10x - 12 \\
 &= 7x - 10x + 3 - 12 \\
 &= (7 - 10)x + 3 - 12 \\
 &= -3x - 9
 \end{aligned}$$

7

$$\begin{aligned}
 & (9x + 10) + (-x - 5) \\
 &= 9x + 10 - x - 5 \\
 &= 9x - x + 10 - 5 \\
 &= (9 - 1)x + 10 - 5 \\
 &= 8x + 5
 \end{aligned}$$

8

$$\begin{aligned}
 & (3x + 15) + (-16x - 8) \\
 &= 3x + 15 - 16x - 8 \\
 &= 3x - 16x + 15 - 8 \\
 &= (3 - 16)x + 15 - 8 \\
 &= -13x + 7
 \end{aligned}$$

1

$$(-8x + 18) + (7x - 4)$$

2

$$(14x + 9) + (-3x - 9)$$

3

$$(15x - 16) + (-9x + 11)$$

4

$$(15x + 14) + (-10x - 4)$$

5

$$(-13x - 1) + (12x + 3)$$

6

$$(11x + 4) + (-2x - 1)$$

7

$$(-9x - 5) + (11x + 2)$$

8

$$(-15x + 8) + (20x - 1)$$

1

$$\begin{aligned}
 & (-8x + 18) + (7x - 4) \\
 &= -8x + 18 + 7x - 4 \\
 &= -8x + 7x + 18 - 4 \\
 &= (-8 + 7)x + 18 - 4 \\
 &= -x + 14
 \end{aligned}$$

2

$$\begin{aligned}
 & (14x + 9) + (-3x - 9) \\
 &= 14x + 9 - 3x - 9 \\
 &= 14x - 3x + 9 - 9 \\
 &= (14 - 3)x + 9 - 9 \\
 &= 11x
 \end{aligned}$$

3

$$\begin{aligned}
 & (15x - 16) + (-9x + 11) \\
 &= 15x - 16 - 9x + 11 \\
 &= 15x - 9x - 16 + 11 \\
 &= (15 - 9)x - 16 + 11 \\
 &= 6x - 5
 \end{aligned}$$

4

$$\begin{aligned}
 & (15x + 14) + (-10x - 4) \\
 &= 15x + 14 - 10x - 4 \\
 &= 15x - 10x + 14 - 4 \\
 &= (15 - 10)x + 14 - 4 \\
 &= 5x + 10
 \end{aligned}$$

5

$$\begin{aligned}
 & (-13x - 1) + (12x + 3) \\
 &= -13x - 1 + 12x + 3 \\
 &= -13x + 12x - 1 + 3 \\
 &= (-13 + 12)x - 1 + 3 \\
 &= -x + 2
 \end{aligned}$$

6

$$\begin{aligned}
 & (11x + 4) + (-2x - 1) \\
 &= 11x + 4 - 2x - 1 \\
 &= 11x - 2x + 4 - 1 \\
 &= (11 - 2)x + 4 - 1 \\
 &= 9x + 3
 \end{aligned}$$

7

$$\begin{aligned}
 & (-9x - 5) + (11x + 2) \\
 &= -9x - 5 + 11x + 2 \\
 &= -9x + 11x - 5 + 2 \\
 &= (-9 + 11)x - 5 + 2 \\
 &= 2x - 3
 \end{aligned}$$

8

$$\begin{aligned}
 & (-15x + 8) + (20x - 1) \\
 &= -15x + 8 + 20x - 1 \\
 &= -15x + 20x + 8 - 1 \\
 &= (-15 + 20)x + 8 - 1 \\
 &= 5x + 7
 \end{aligned}$$

1

$$(-17x - 9) + (20x + 11)$$

2

$$(13x - 20) + (-5x + 11)$$

3

$$(4x - 16) + (-7x + 13)$$

4

$$(-17x - 3) + (7x + 20)$$

5

$$(17x + 11) + (-10x - 10)$$

6

$$(5x + 11) + (-13x - 9)$$

7

$$(-15x + 7) + (15x - 15)$$

8

$$(-9x + 6) + (9x - 20)$$

1

$$\begin{aligned}
& (-17x - 9) + (20x + 11) \\
&= -17x - 9 + 20x + 11 \\
&= -17x + 20x - 9 + 11 \\
&= (-17 + 20)x - 9 + 11 \\
&= 3x + 2
\end{aligned}$$

2

$$\begin{aligned}
& (13x - 20) + (-5x + 11) \\
&= 13x - 20 - 5x + 11 \\
&= 13x - 5x - 20 + 11 \\
&= (13 - 5)x - 20 + 11 \\
&= 8x - 9
\end{aligned}$$

3

$$\begin{aligned}
& (4x - 16) + (-7x + 13) \\
&= 4x - 16 - 7x + 13 \\
&= 4x - 7x - 16 + 13 \\
&= (4 - 7)x - 16 + 13 \\
&= -3x - 3
\end{aligned}$$

4

$$\begin{aligned}
& (-17x - 3) + (7x + 20) \\
&= -17x - 3 + 7x + 20 \\
&= -17x + 7x - 3 + 20 \\
&= (-17 + 7)x - 3 + 20 \\
&= -10x + 17
\end{aligned}$$

5

$$\begin{aligned}
& (17x + 11) + (-10x - 10) \\
&= 17x + 11 - 10x - 10 \\
&= 17x - 10x + 11 - 10 \\
&= (17 - 10)x + 11 - 10 \\
&= 7x + 1
\end{aligned}$$

6

$$\begin{aligned}
& (5x + 11) + (-13x - 9) \\
&= 5x + 11 - 13x - 9 \\
&= 5x - 13x + 11 - 9 \\
&= (5 - 13)x + 11 - 9 \\
&= -8x + 2
\end{aligned}$$

7

$$\begin{aligned}
& (-15x + 7) + (15x - 15) \\
&= -15x + 7 + 15x - 15 \\
&= -15x + 15x + 7 - 15 \\
&= (-15 + 15)x + 7 - 15 \\
&= -8
\end{aligned}$$

8

$$\begin{aligned}
& (-9x + 6) + (9x - 20) \\
&= -9x + 6 + 9x - 20 \\
&= -9x + 9x + 6 - 20 \\
&= (-9 + 9)x + 6 - 20 \\
&= -14
\end{aligned}$$

1

$$(-6x - 11) + (18x + 11)$$

2

$$(-6x + 4) + (9x - 6)$$

3

$$(-10x - 19) + (5x + 14)$$

4

$$(-8x + 18) + (16x - 7)$$

5

$$(11x - 8) + (-18x + 7)$$

6

$$(11x - 14) + (-3x + 16)$$

7

$$(20x + 19) + (-12x - 15)$$

8

$$(-6x - 18) + (12x + 8)$$

1

$$\begin{aligned} & (-6x - 11) + (18x + 11) \\ &= -6x - 11 + 18x + 11 \\ &= -6x + 18x - 11 + 11 \\ &= (-6 + 18)x - 11 + 11 \\ &= 12x \end{aligned}$$

2

$$\begin{aligned} & (-6x + 4) + (9x - 6) \\ &= -6x + 4 + 9x - 6 \\ &= -6x + 9x + 4 - 6 \\ &= (-6 + 9)x + 4 - 6 \\ &= 3x - 2 \end{aligned}$$

3

$$\begin{aligned} & (-10x - 19) + (5x + 14) \\ &= -10x - 19 + 5x + 14 \\ &= -10x + 5x - 19 + 14 \\ &= (-10 + 5)x - 19 + 14 \\ &= -5x - 5 \end{aligned}$$

4

$$\begin{aligned} & (-8x + 18) + (16x - 7) \\ &= -8x + 18 + 16x - 7 \\ &= -8x + 16x + 18 - 7 \\ &= (-8 + 16)x + 18 - 7 \\ &= 8x + 11 \end{aligned}$$

5

$$\begin{aligned} & (11x - 8) + (-18x + 7) \\ &= 11x - 8 - 18x + 7 \\ &= 11x - 18x - 8 + 7 \\ &= (11 - 18)x - 8 + 7 \\ &= -7x - 1 \end{aligned}$$

6

$$\begin{aligned} & (11x - 14) + (-3x + 16) \\ &= 11x - 14 - 3x + 16 \\ &= 11x - 3x - 14 + 16 \\ &= (11 - 3)x - 14 + 16 \\ &= 8x + 2 \end{aligned}$$

7

$$\begin{aligned} & (20x + 19) + (-12x - 15) \\ &= 20x + 19 - 12x - 15 \\ &= 20x - 12x + 19 - 15 \\ &= (20 - 12)x + 19 - 15 \\ &= 8x + 4 \end{aligned}$$

8

$$\begin{aligned} & (-6x - 18) + (12x + 8) \\ &= -6x - 18 + 12x + 8 \\ &= -6x + 12x - 18 + 8 \\ &= (-6 + 12)x - 18 + 8 \\ &= 6x - 10 \end{aligned}$$

1

$$(14x - 6) + (-8x + 14)$$

2

$$(20x + 10) + (-8x - 13)$$

3

$$(-8x - 11) + (16x + 6)$$

4

$$(4x + 5) + (-9x - 17)$$

5

$$(9x - 8) + (-8x + 11)$$

6

$$(-18x + 3) + (16x - 3)$$

7

$$(14x - 11) + (-18x + 7)$$

8

$$(-7x + 15) + (18x - 12)$$

1

$$\begin{aligned}
 & (14x - 6) + (-8x + 14) \\
 &= 14x - 6 - 8x + 14 \\
 &= 14x - 8x - 6 + 14 \\
 &= (14 - 8)x - 6 + 14 \\
 &= 6x + 8
 \end{aligned}$$

2

$$\begin{aligned}
 & (20x + 10) + (-8x - 13) \\
 &= 20x + 10 - 8x - 13 \\
 &= 20x - 8x + 10 - 13 \\
 &= (20 - 8)x + 10 - 13 \\
 &= 12x - 3
 \end{aligned}$$

3

$$\begin{aligned}
 & (-8x - 11) + (16x + 6) \\
 &= -8x - 11 + 16x + 6 \\
 &= -8x + 16x - 11 + 6 \\
 &= (-8 + 16)x - 11 + 6 \\
 &= 8x - 5
 \end{aligned}$$

4

$$\begin{aligned}
 & (4x + 5) + (-9x - 17) \\
 &= 4x + 5 - 9x - 17 \\
 &= 4x - 9x + 5 - 17 \\
 &= (4 - 9)x + 5 - 17 \\
 &= -5x - 12
 \end{aligned}$$

5

$$\begin{aligned}
 & (9x - 8) + (-8x + 11) \\
 &= 9x - 8 - 8x + 11 \\
 &= 9x - 8x - 8 + 11 \\
 &= (9 - 8)x - 8 + 11 \\
 &= x + 3
 \end{aligned}$$

6

$$\begin{aligned}
 & (-18x + 3) + (16x - 3) \\
 &= -18x + 3 + 16x - 3 \\
 &= -18x + 16x + 3 - 3 \\
 &= (-18 + 16)x + 3 - 3 \\
 &= -2x
 \end{aligned}$$

7

$$\begin{aligned}
 & (14x - 11) + (-18x + 7) \\
 &= 14x - 11 - 18x + 7 \\
 &= 14x - 18x - 11 + 7 \\
 &= (14 - 18)x - 11 + 7 \\
 &= -4x - 4
 \end{aligned}$$

8

$$\begin{aligned}
 & (-7x + 15) + (18x - 12) \\
 &= -7x + 15 + 18x - 12 \\
 &= -7x + 18x + 15 - 12 \\
 &= (-7 + 18)x + 15 - 12 \\
 &= 11x + 3
 \end{aligned}$$

1

$$(-5x - 7) + (2x + 6)$$

2

$$(-15x - 14) + (10x + 4)$$

3

$$(-4x - 13) + (15x + 5)$$

4

$$(-16x + 1) + (3x - 13)$$

5

$$(-13x + 12) + (20x - 15)$$

6

$$(-15x - 1) + (17x + 14)$$

7

$$(10x + 20) + (-12x - 12)$$

8

$$(7x - 10) + (-6x + 4)$$

1

$$\begin{aligned} & (-5x - 7) + (2x + 6) \\ &= -5x - 7 + 2x + 6 \\ &= -5x + 2x - 7 + 6 \\ &= (-5 + 2)x - 7 + 6 \\ &= -3x - 1 \end{aligned}$$

2

$$\begin{aligned} & (-15x - 14) + (10x + 4) \\ &= -15x - 14 + 10x + 4 \\ &= -15x + 10x - 14 + 4 \\ &= (-15 + 10)x - 14 + 4 \\ &= -5x - 10 \end{aligned}$$

3

$$\begin{aligned} & (-4x - 13) + (15x + 5) \\ &= -4x - 13 + 15x + 5 \\ &= -4x + 15x - 13 + 5 \\ &= (-4 + 15)x - 13 + 5 \\ &= 11x - 8 \end{aligned}$$

4

$$\begin{aligned} & (-16x + 1) + (3x - 13) \\ &= -16x + 1 + 3x - 13 \\ &= -16x + 3x + 1 - 13 \\ &= (-16 + 3)x + 1 - 13 \\ &= -13x - 12 \end{aligned}$$

5

$$\begin{aligned} & (-13x + 12) + (20x - 15) \\ &= -13x + 12 + 20x - 15 \\ &= -13x + 20x + 12 - 15 \\ &= (-13 + 20)x + 12 - 15 \\ &= 7x - 3 \end{aligned}$$

6

$$\begin{aligned} & (-15x - 1) + (17x + 14) \\ &= -15x - 1 + 17x + 14 \\ &= -15x + 17x - 1 + 14 \\ &= (-15 + 17)x - 1 + 14 \\ &= 2x + 13 \end{aligned}$$

7

$$\begin{aligned} & (10x + 20) + (-12x - 12) \\ &= 10x + 20 - 12x - 12 \\ &= 10x - 12x + 20 - 12 \\ &= (10 - 12)x + 20 - 12 \\ &= -2x + 8 \end{aligned}$$

8

$$\begin{aligned} & (7x - 10) + (-6x + 4) \\ &= 7x - 10 - 6x + 4 \\ &= 7x - 6x - 10 + 4 \\ &= (7 - 6)x - 10 + 4 \\ &= x - 6 \end{aligned}$$

1

$$(-15x - 14) + (13x + 19)$$

2

$$(4x - 4) + (-x + 9)$$

3

$$(5x - 11) + (-9x + 19)$$

4

$$(-6x + 16) + (3x - 16)$$

5

$$(20x + 12) + (-13x - 6)$$

6

$$(-2x + 13) + (20x - 9)$$

7

$$(-4x - 4) + (2x + 12)$$

8

$$(5x + 10) + (-2x - 13)$$

1

$$\begin{aligned}
 & (-15x - 14) + (13x + 19) \\
 &= -15x - 14 + 13x + 19 \\
 &= -15x + 13x - 14 + 19 \\
 &= (-15 + 13)x - 14 + 19 \\
 &= -2x + 5
 \end{aligned}$$

2

$$\begin{aligned}
 & (4x - 4) + (-x + 9) \\
 &= 4x - 4 - x + 9 \\
 &= 4x - x - 4 + 9 \\
 &= (4 - 1)x - 4 + 9 \\
 &= 3x + 5
 \end{aligned}$$

3

$$\begin{aligned}
 & (5x - 11) + (-9x + 19) \\
 &= 5x - 11 - 9x + 19 \\
 &= 5x - 9x - 11 + 19 \\
 &= (5 - 9)x - 11 + 19 \\
 &= -4x + 8
 \end{aligned}$$

4

$$\begin{aligned}
 & (-6x + 16) + (3x - 16) \\
 &= -6x + 16 + 3x - 16 \\
 &= -6x + 3x + 16 - 16 \\
 &= (-6 + 3)x + 16 - 16 \\
 &= -3x
 \end{aligned}$$

5

$$\begin{aligned}
 & (20x + 12) + (-13x - 6) \\
 &= 20x + 12 - 13x - 6 \\
 &= 20x - 13x + 12 - 6 \\
 &= (20 - 13)x + 12 - 6 \\
 &= 7x + 6
 \end{aligned}$$

6

$$\begin{aligned}
 & (-2x + 13) + (20x - 9) \\
 &= -2x + 13 + 20x - 9 \\
 &= -2x + 20x + 13 - 9 \\
 &= (-2 + 20)x + 13 - 9 \\
 &= 18x + 4
 \end{aligned}$$

7

$$\begin{aligned}
 & (-4x - 4) + (2x + 12) \\
 &= -4x - 4 + 2x + 12 \\
 &= -4x + 2x - 4 + 12 \\
 &= (-4 + 2)x - 4 + 12 \\
 &= -2x + 8
 \end{aligned}$$

8

$$\begin{aligned}
 & (5x + 10) + (-2x - 13) \\
 &= 5x + 10 - 2x - 13 \\
 &= 5x - 2x + 10 - 13 \\
 &= (5 - 2)x + 10 - 13 \\
 &= 3x - 3
 \end{aligned}$$

1

$$(-8x - 17) + (12x + 4)$$

2

$$(x - 6) + (-3x + 10)$$

3

$$(8x - 14) + (-14x + 20)$$

4

$$(-3x - 7) + (17x + 12)$$

5

$$(-5x + 1) + (16x - 9)$$

6

$$(-16x - 6) + (18x + 14)$$

7

$$(-2x - 6) + (6x + 7)$$

8

$$(9x + 17) + (-9x - 8)$$

1

$$\begin{aligned} & (-8x - 17) + (12x + 4) \\ &= -8x - 17 + 12x + 4 \\ &= -8x + 12x - 17 + 4 \\ &= (-8 + 12)x - 17 + 4 \\ &= 4x - 13 \end{aligned}$$

2

$$\begin{aligned} & (x - 6) + (-3x + 10) \\ &= x - 6 - 3x + 10 \\ &= x - 3x - 6 + 10 \\ &= (1 - 3)x - 6 + 10 \\ &= -2x + 4 \end{aligned}$$

3

$$\begin{aligned} & (8x - 14) + (-14x + 20) \\ &= 8x - 14 - 14x + 20 \\ &= 8x - 14x - 14 + 20 \\ &= (8 - 14)x - 14 + 20 \\ &= -6x + 6 \end{aligned}$$

4

$$\begin{aligned} & (-3x - 7) + (17x + 12) \\ &= -3x - 7 + 17x + 12 \\ &= -3x + 17x - 7 + 12 \\ &= (-3 + 17)x - 7 + 12 \\ &= 14x + 5 \end{aligned}$$

5

$$\begin{aligned} & (-5x + 1) + (16x - 9) \\ &= -5x + 1 + 16x - 9 \\ &= -5x + 16x + 1 - 9 \\ &= (-5 + 16)x + 1 - 9 \\ &= 11x - 8 \end{aligned}$$

6

$$\begin{aligned} & (-16x - 6) + (18x + 14) \\ &= -16x - 6 + 18x + 14 \\ &= -16x + 18x - 6 + 14 \\ &= (-16 + 18)x - 6 + 14 \\ &= 2x + 8 \end{aligned}$$

7

$$\begin{aligned} & (-2x - 6) + (6x + 7) \\ &= -2x - 6 + 6x + 7 \\ &= -2x + 6x - 6 + 7 \\ &= (-2 + 6)x - 6 + 7 \\ &= 4x + 1 \end{aligned}$$

8

$$\begin{aligned} & (9x + 17) + (-9x - 8) \\ &= 9x + 17 - 9x - 8 \\ &= 9x - 9x + 17 - 8 \\ &= (9 - 9)x + 17 - 8 \\ &= 9 \end{aligned}$$

1

$$(10x + 17) + (-4x - 6)$$

2

$$(3x - 6) + (-5x + 9)$$

3

$$(-18x - 5) + (6x + 16)$$

4

$$(2x - 17) + (-4x + 18)$$

5

$$(-x - 8) + (15x + 11)$$

6

$$(18x - 7) + (-13x + 8)$$

7

$$(5x - 6) + (-3x + 7)$$

8

$$(-20x + 9) + (5x - 11)$$

1

$$\begin{aligned}
& (10x + 17) + (-4x - 6) \\
&= 10x + 17 - 4x - 6 \\
&= 10x - 4x + 17 - 6 \\
&= (10 - 4)x + 17 - 6 \\
&= 6x + 11
\end{aligned}$$

2

$$\begin{aligned}
& (3x - 6) + (-5x + 9) \\
&= 3x - 6 - 5x + 9 \\
&= 3x - 5x - 6 + 9 \\
&= (3 - 5)x - 6 + 9 \\
&= -2x + 3
\end{aligned}$$

3

$$\begin{aligned}
& (-18x - 5) + (6x + 16) \\
&= -18x - 5 + 6x + 16 \\
&= -18x + 6x - 5 + 16 \\
&= (-18 + 6)x - 5 + 16 \\
&= -12x + 11
\end{aligned}$$

4

$$\begin{aligned}
& (2x - 17) + (-4x + 18) \\
&= 2x - 17 - 4x + 18 \\
&= 2x - 4x - 17 + 18 \\
&= (2 - 4)x - 17 + 18 \\
&= -2x + 1
\end{aligned}$$

5

$$\begin{aligned}
& (-x - 8) + (15x + 11) \\
&= -x - 8 + 15x + 11 \\
&= -x + 15x - 8 + 11 \\
&= (-1 + 15)x - 8 + 11 \\
&= 14x + 3
\end{aligned}$$

6

$$\begin{aligned}
& (18x - 7) + (-13x + 8) \\
&= 18x - 7 - 13x + 8 \\
&= 18x - 13x - 7 + 8 \\
&= (18 - 13)x - 7 + 8 \\
&= 5x + 1
\end{aligned}$$

7

$$\begin{aligned}
& (5x - 6) + (-3x + 7) \\
&= 5x - 6 - 3x + 7 \\
&= 5x - 3x - 6 + 7 \\
&= (5 - 3)x - 6 + 7 \\
&= 2x + 1
\end{aligned}$$

8

$$\begin{aligned}
& (-20x + 9) + (5x - 11) \\
&= -20x + 9 + 5x - 11 \\
&= -20x + 5x + 9 - 11 \\
&= (-20 + 5)x + 9 - 11 \\
&= -15x - 2
\end{aligned}$$

1

$$(-3x - 17) + (7x + 10)$$

2

$$(-9x + 10) + (x - 5)$$

3

$$(-19x - 7) + (10x + 9)$$

4

$$(2x + 6) + (-14x - 11)$$

5

$$(16x - 18) + (-8x + 3)$$

6

$$(20x + 2) + (-9x - 3)$$

7

$$(14x + 18) + (-x - 2)$$

8

$$(-6x - 14) + (16x + 10)$$

1

$$\begin{aligned}
 & (-3x - 17) + (7x + 10) \\
 &= -3x - 17 + 7x + 10 \\
 &= -3x + 7x - 17 + 10 \\
 &= (-3 + 7)x - 17 + 10 \\
 &= 4x - 7
 \end{aligned}$$

2

$$\begin{aligned}
 & (-9x + 10) + (x - 5) \\
 &= -9x + 10 + x - 5 \\
 &= -9x + x + 10 - 5 \\
 &= (-9 + 1)x + 10 - 5 \\
 &= -8x + 5
 \end{aligned}$$

3

$$\begin{aligned}
 & (-19x - 7) + (10x + 9) \\
 &= -19x - 7 + 10x + 9 \\
 &= -19x + 10x - 7 + 9 \\
 &= (-19 + 10)x - 7 + 9 \\
 &= -9x + 2
 \end{aligned}$$

4

$$\begin{aligned}
 & (2x + 6) + (-14x - 11) \\
 &= 2x + 6 - 14x - 11 \\
 &= 2x - 14x + 6 - 11 \\
 &= (2 - 14)x + 6 - 11 \\
 &= -12x - 5
 \end{aligned}$$

5

$$\begin{aligned}
 & (16x - 18) + (-8x + 3) \\
 &= 16x - 18 - 8x + 3 \\
 &= 16x - 8x - 18 + 3 \\
 &= (16 - 8)x - 18 + 3 \\
 &= 8x - 15
 \end{aligned}$$

6

$$\begin{aligned}
 & (20x + 2) + (-9x - 3) \\
 &= 20x + 2 - 9x - 3 \\
 &= 20x - 9x + 2 - 3 \\
 &= (20 - 9)x + 2 - 3 \\
 &= 11x - 1
 \end{aligned}$$

7

$$\begin{aligned}
 & (14x + 18) + (-x - 2) \\
 &= 14x + 18 - x - 2 \\
 &= 14x - x + 18 - 2 \\
 &= (14 - 1)x + 18 - 2 \\
 &= 13x + 16
 \end{aligned}$$

8

$$\begin{aligned}
 & (-6x - 14) + (16x + 10) \\
 &= -6x - 14 + 16x + 10 \\
 &= -6x + 16x - 14 + 10 \\
 &= (-6 + 16)x - 14 + 10 \\
 &= 10x - 4
 \end{aligned}$$

1

$$(17x + 2) + (-6x - 3)$$

2

$$(15x + 15) + (-8x - 12)$$

3

$$(13x - 18) + (-14x + 18)$$

4

$$(-16x + 8) + (19x - 1)$$

5

$$(-15x - 12) + (17x + 7)$$

6

$$(-19x - 11) + (7x + 10)$$

7

$$(9x + 20) + (-4x - 10)$$

8

$$(-17x + 12) + (5x - 14)$$

1

$$\begin{aligned}
& (17x + 2) + (-6x - 3) \\
&= 17x + 2 - 6x - 3 \\
&= 17x - 6x + 2 - 3 \\
&= (17 - 6)x + 2 - 3 \\
&= 11x - 1
\end{aligned}$$

2

$$\begin{aligned}
& (15x + 15) + (-8x - 12) \\
&= 15x + 15 - 8x - 12 \\
&= 15x - 8x + 15 - 12 \\
&= (15 - 8)x + 15 - 12 \\
&= 7x + 3
\end{aligned}$$

3

$$\begin{aligned}
& (13x - 18) + (-14x + 18) \\
&= 13x - 18 - 14x + 18 \\
&= 13x - 14x - 18 + 18 \\
&= (13 - 14)x - 18 + 18 \\
&= -x
\end{aligned}$$

4

$$\begin{aligned}
& (-16x + 8) + (19x - 1) \\
&= -16x + 8 + 19x - 1 \\
&= -16x + 19x + 8 - 1 \\
&= (-16 + 19)x + 8 - 1 \\
&= 3x + 7
\end{aligned}$$

5

$$\begin{aligned}
& (-15x - 12) + (17x + 7) \\
&= -15x - 12 + 17x + 7 \\
&= -15x + 17x - 12 + 7 \\
&= (-15 + 17)x - 12 + 7 \\
&= 2x - 5
\end{aligned}$$

6

$$\begin{aligned}
& (-19x - 11) + (7x + 10) \\
&= -19x - 11 + 7x + 10 \\
&= -19x + 7x - 11 + 10 \\
&= (-19 + 7)x - 11 + 10 \\
&= -12x - 1
\end{aligned}$$

7

$$\begin{aligned}
& (9x + 20) + (-4x - 10) \\
&= 9x + 20 - 4x - 10 \\
&= 9x - 4x + 20 - 10 \\
&= (9 - 4)x + 20 - 10 \\
&= 5x + 10
\end{aligned}$$

8

$$\begin{aligned}
& (-17x + 12) + (5x - 14) \\
&= -17x + 12 + 5x - 14 \\
&= -17x + 5x + 12 - 14 \\
&= (-17 + 5)x + 12 - 14 \\
&= -12x - 2
\end{aligned}$$

1

$$(6x + 19) + (-17x - 4)$$

2

$$(17x + 16) + (-6x - 19)$$

3

$$(18x + 13) + (-5x - 19)$$

4

$$(12x - 17) + (-16x + 14)$$

5

$$(-2x - 10) + (5x + 5)$$

6

$$(-18x - 12) + (20x + 11)$$

7

$$(-19x + 10) + (14x - 14)$$

8

$$(8x - 12) + (-4x + 13)$$

1

$$\begin{aligned}
& (6x + 19) + (-17x - 4) \\
&= 6x + 19 - 17x - 4 \\
&= 6x - 17x + 19 - 4 \\
&= (6 - 17)x + 19 - 4 \\
&= -11x + 15
\end{aligned}$$

2

$$\begin{aligned}
& (17x + 16) + (-6x - 19) \\
&= 17x + 16 - 6x - 19 \\
&= 17x - 6x + 16 - 19 \\
&= (17 - 6)x + 16 - 19 \\
&= 11x - 3
\end{aligned}$$

3

$$\begin{aligned}
& (18x + 13) + (-5x - 19) \\
&= 18x + 13 - 5x - 19 \\
&= 18x - 5x + 13 - 19 \\
&= (18 - 5)x + 13 - 19 \\
&= 13x - 6
\end{aligned}$$

4

$$\begin{aligned}
& (12x - 17) + (-16x + 14) \\
&= 12x - 17 - 16x + 14 \\
&= 12x - 16x - 17 + 14 \\
&= (12 - 16)x - 17 + 14 \\
&= -4x - 3
\end{aligned}$$

5

$$\begin{aligned}
& (-2x - 10) + (5x + 5) \\
&= -2x - 10 + 5x + 5 \\
&= -2x + 5x - 10 + 5 \\
&= (-2 + 5)x - 10 + 5 \\
&= 3x - 5
\end{aligned}$$

6

$$\begin{aligned}
& (-18x - 12) + (20x + 11) \\
&= -18x - 12 + 20x + 11 \\
&= -18x + 20x - 12 + 11 \\
&= (-18 + 20)x - 12 + 11 \\
&= 2x - 1
\end{aligned}$$

7

$$\begin{aligned}
& (-19x + 10) + (14x - 14) \\
&= -19x + 10 + 14x - 14 \\
&= -19x + 14x + 10 - 14 \\
&= (-19 + 14)x + 10 - 14 \\
&= -5x - 4
\end{aligned}$$

8

$$\begin{aligned}
& (8x - 12) + (-4x + 13) \\
&= 8x - 12 - 4x + 13 \\
&= 8x - 4x - 12 + 13 \\
&= (8 - 4)x - 12 + 13 \\
&= 4x + 1
\end{aligned}$$

1

$$(-20x + 12) + (12x - 3)$$

2

$$(-15x + 10) + (6x - 1)$$

3

$$(14x + 16) + (-3x - 7)$$

4

$$(8x - 3) + (-2x + 4)$$

5

$$(3x + 14) + (-13x - 13)$$

6

$$(20x - 12) + (-8x + 8)$$

7

$$(8x + 7) + (-7x - 15)$$

8

$$(15x + 19) + (-7x - 8)$$

1

$$\begin{aligned}
& (-20x + 12) + (12x - 3) \\
&= -20x + 12 + 12x - 3 \\
&= -20x + 12x + 12 - 3 \\
&= (-20 + 12)x + 12 - 3 \\
&= -8x + 9
\end{aligned}$$

2

$$\begin{aligned}
& (-15x + 10) + (6x - 1) \\
&= -15x + 10 + 6x - 1 \\
&= -15x + 6x + 10 - 1 \\
&= (-15 + 6)x + 10 - 1 \\
&= -9x + 9
\end{aligned}$$

3

$$\begin{aligned}
& (14x + 16) + (-3x - 7) \\
&= 14x + 16 - 3x - 7 \\
&= 14x - 3x + 16 - 7 \\
&= (14 - 3)x + 16 - 7 \\
&= 11x + 9
\end{aligned}$$

4

$$\begin{aligned}
& (8x - 3) + (-2x + 4) \\
&= 8x - 3 - 2x + 4 \\
&= 8x - 2x - 3 + 4 \\
&= (8 - 2)x - 3 + 4 \\
&= 6x + 1
\end{aligned}$$

5

$$\begin{aligned}
& (3x + 14) + (-13x - 13) \\
&= 3x + 14 - 13x - 13 \\
&= 3x - 13x + 14 - 13 \\
&= (3 - 13)x + 14 - 13 \\
&= -10x + 1
\end{aligned}$$

6

$$\begin{aligned}
& (20x - 12) + (-8x + 8) \\
&= 20x - 12 - 8x + 8 \\
&= 20x - 8x - 12 + 8 \\
&= (20 - 8)x - 12 + 8 \\
&= 12x - 4
\end{aligned}$$

7

$$\begin{aligned}
& (8x + 7) + (-7x - 15) \\
&= 8x + 7 - 7x - 15 \\
&= 8x - 7x + 7 - 15 \\
&= (8 - 7)x + 7 - 15 \\
&= x - 8
\end{aligned}$$

8

$$\begin{aligned}
& (15x + 19) + (-7x - 8) \\
&= 15x + 19 - 7x - 8 \\
&= 15x - 7x + 19 - 8 \\
&= (15 - 7)x + 19 - 8 \\
&= 8x + 11
\end{aligned}$$

1

$$(6x + 10) + (-4x - 12)$$

2

$$(19x + 14) + (-18x - 14)$$

3

$$(-20x - 10) + (6x + 2)$$

4

$$(-18x - 1) + (3x + 12)$$

5

$$(4x - 16) + (-13x + 10)$$

6

$$(12x - 13) + (-19x + 14)$$

7

$$(-3x + 8) + (10x - 16)$$

8

$$(9x + 3) + (-13x - 15)$$

1

$$\begin{aligned} & (6x + 10) + (-4x - 12) \\ &= 6x + 10 - 4x - 12 \\ &= 6x - 4x + 10 - 12 \\ &= (6 - 4)x + 10 - 12 \\ &= 2x - 2 \end{aligned}$$

2

$$\begin{aligned} & (19x + 14) + (-18x - 14) \\ &= 19x + 14 - 18x - 14 \\ &= 19x - 18x + 14 - 14 \\ &= (19 - 18)x + 14 - 14 \\ &= x \end{aligned}$$

3

$$\begin{aligned} & (-20x - 10) + (6x + 2) \\ &= -20x - 10 + 6x + 2 \\ &= -20x + 6x - 10 + 2 \\ &= (-20 + 6)x - 10 + 2 \\ &= -14x - 8 \end{aligned}$$

4

$$\begin{aligned} & (-18x - 1) + (3x + 12) \\ &= -18x - 1 + 3x + 12 \\ &= -18x + 3x - 1 + 12 \\ &= (-18 + 3)x - 1 + 12 \\ &= -15x + 11 \end{aligned}$$

5

$$\begin{aligned} & (4x - 16) + (-13x + 10) \\ &= 4x - 16 - 13x + 10 \\ &= 4x - 13x - 16 + 10 \\ &= (4 - 13)x - 16 + 10 \\ &= -9x - 6 \end{aligned}$$

6

$$\begin{aligned} & (12x - 13) + (-19x + 14) \\ &= 12x - 13 - 19x + 14 \\ &= 12x - 19x - 13 + 14 \\ &= (12 - 19)x - 13 + 14 \\ &= -7x + 1 \end{aligned}$$

7

$$\begin{aligned} & (-3x + 8) + (10x - 16) \\ &= -3x + 8 + 10x - 16 \\ &= -3x + 10x + 8 - 16 \\ &= (-3 + 10)x + 8 - 16 \\ &= 7x - 8 \end{aligned}$$

8

$$\begin{aligned} & (9x + 3) + (-13x - 15) \\ &= 9x + 3 - 13x - 15 \\ &= 9x - 13x + 3 - 15 \\ &= (9 - 13)x + 3 - 15 \\ &= -4x - 12 \end{aligned}$$

1

$$(8x + 19) + (-18x - 17)$$

2

$$(3x + 4) + (-12x - 14)$$

3

$$(14x - 6) + (-13x + 18)$$

4

$$(12x - 14) + (-19x + 4)$$

5

$$(16x - 8) + (-8x + 12)$$

6

$$(-18x + 13) + (19x - 16)$$

7

$$(-8x + 9) + (10x - 13)$$

8

$$(-9x + 3) + (13x - 15)$$

1

$$\begin{aligned} & (8x + 19) + (-18x - 17) \\ &= 8x + 19 - 18x - 17 \\ &= 8x - 18x + 19 - 17 \\ &= (8 - 18)x + 19 - 17 \\ &= -10x + 2 \end{aligned}$$

2

$$\begin{aligned} & (3x + 4) + (-12x - 14) \\ &= 3x + 4 - 12x - 14 \\ &= 3x - 12x + 4 - 14 \\ &= (3 - 12)x + 4 - 14 \\ &= -9x - 10 \end{aligned}$$

3

$$\begin{aligned} & (14x - 6) + (-13x + 18) \\ &= 14x - 6 - 13x + 18 \\ &= 14x - 13x - 6 + 18 \\ &= (14 - 13)x - 6 + 18 \\ &= x + 12 \end{aligned}$$

4

$$\begin{aligned} & (12x - 14) + (-19x + 4) \\ &= 12x - 14 - 19x + 4 \\ &= 12x - 19x - 14 + 4 \\ &= (12 - 19)x - 14 + 4 \\ &= -7x - 10 \end{aligned}$$

5

$$\begin{aligned} & (16x - 8) + (-8x + 12) \\ &= 16x - 8 - 8x + 12 \\ &= 16x - 8x - 8 + 12 \\ &= (16 - 8)x - 8 + 12 \\ &= 8x + 4 \end{aligned}$$

6

$$\begin{aligned} & (-18x + 13) + (19x - 16) \\ &= -18x + 13 + 19x - 16 \\ &= -18x + 19x + 13 - 16 \\ &= (-18 + 19)x + 13 - 16 \\ &= x - 3 \end{aligned}$$

7

$$\begin{aligned} & (-8x + 9) + (10x - 13) \\ &= -8x + 9 + 10x - 13 \\ &= -8x + 10x + 9 - 13 \\ &= (-8 + 10)x + 9 - 13 \\ &= 2x - 4 \end{aligned}$$

8

$$\begin{aligned} & (-9x + 3) + (13x - 15) \\ &= -9x + 3 + 13x - 15 \\ &= -9x + 13x + 3 - 15 \\ &= (-9 + 13)x + 3 - 15 \\ &= 4x - 12 \end{aligned}$$

1

$$(-x + 5) + (17x - 11)$$

2

$$(10x + 12) + (-17x - 18)$$

3

$$(-2x - 3) + (15x + 3)$$

4

$$(6x - 8) + (-13x + 1)$$

5

$$(-11x - 7) + (17x + 16)$$

6

$$(-8x - 12) + (8x + 16)$$

7

$$(14x + 1) + (-8x - 15)$$

8

$$(-2x + 13) + (2x - 11)$$

1

$$\begin{aligned}
& (-x + 5) + (17x - 11) \\
&= -x + 5 + 17x - 11 \\
&= -x + 17x + 5 - 11 \\
&= (-1 + 17)x + 5 - 11 \\
&= 16x - 6
\end{aligned}$$

2

$$\begin{aligned}
& (10x + 12) + (-17x - 18) \\
&= 10x + 12 - 17x - 18 \\
&= 10x - 17x + 12 - 18 \\
&= (10 - 17)x + 12 - 18 \\
&= -7x - 6
\end{aligned}$$

3

$$\begin{aligned}
& (-2x - 3) + (15x + 3) \\
&= -2x - 3 + 15x + 3 \\
&= -2x + 15x - 3 + 3 \\
&= (-2 + 15)x - 3 + 3 \\
&= 13x
\end{aligned}$$

4

$$\begin{aligned}
& (6x - 8) + (-13x + 1) \\
&= 6x - 8 - 13x + 1 \\
&= 6x - 13x - 8 + 1 \\
&= (6 - 13)x - 8 + 1 \\
&= -7x - 7
\end{aligned}$$

5

$$\begin{aligned}
& (-11x - 7) + (17x + 16) \\
&= -11x - 7 + 17x + 16 \\
&= -11x + 17x - 7 + 16 \\
&= (-11 + 17)x - 7 + 16 \\
&= 6x + 9
\end{aligned}$$

6

$$\begin{aligned}
& (-8x - 12) + (8x + 16) \\
&= -8x - 12 + 8x + 16 \\
&= -8x + 8x - 12 + 16 \\
&= (-8 + 8)x - 12 + 16 \\
&= 4
\end{aligned}$$

7

$$\begin{aligned}
& (14x + 1) + (-8x - 15) \\
&= 14x + 1 - 8x - 15 \\
&= 14x - 8x + 1 - 15 \\
&= (14 - 8)x + 1 - 15 \\
&= 6x - 14
\end{aligned}$$

8

$$\begin{aligned}
& (-2x + 13) + (2x - 11) \\
&= -2x + 13 + 2x - 11 \\
&= -2x + 2x + 13 - 11 \\
&= (-2 + 2)x + 13 - 11 \\
&= 2
\end{aligned}$$

1

$$(2x - 8) + (-19x + 4)$$

2

$$(-18x + 15) + (12x - 5)$$

3

$$(-5x - 16) + (18x + 17)$$

4

$$(-11x - 11) + (x + 17)$$

5

$$(-5x + 12) + (18x - 2)$$

6

$$(-14x - 8) + (17x + 4)$$

7

$$(-4x - 12) + (14x + 16)$$

8

$$(6x + 18) + (-12x - 8)$$

1

$$\begin{aligned}
 & (2x - 8) + (-19x + 4) \\
 &= 2x - 8 - 19x + 4 \\
 &= 2x - 19x - 8 + 4 \\
 &= (2 - 19)x - 8 + 4 \\
 &= -17x - 4
 \end{aligned}$$

2

$$\begin{aligned}
 & (-18x + 15) + (12x - 5) \\
 &= -18x + 15 + 12x - 5 \\
 &= -18x + 12x + 15 - 5 \\
 &= (-18 + 12)x + 15 - 5 \\
 &= -6x + 10
 \end{aligned}$$

3

$$\begin{aligned}
 & (-5x - 16) + (18x + 17) \\
 &= -5x - 16 + 18x + 17 \\
 &= -5x + 18x - 16 + 17 \\
 &= (-5 + 18)x - 16 + 17 \\
 &= 13x + 1
 \end{aligned}$$

4

$$\begin{aligned}
 & (-11x - 11) + (x + 17) \\
 &= -11x - 11 + x + 17 \\
 &= -11x + x - 11 + 17 \\
 &= (-11 + 1)x - 11 + 17 \\
 &= -10x + 6
 \end{aligned}$$

5

$$\begin{aligned}
 & (-5x + 12) + (18x - 2) \\
 &= -5x + 12 + 18x - 2 \\
 &= -5x + 18x + 12 - 2 \\
 &= (-5 + 18)x + 12 - 2 \\
 &= 13x + 10
 \end{aligned}$$

6

$$\begin{aligned}
 & (-14x - 8) + (17x + 4) \\
 &= -14x - 8 + 17x + 4 \\
 &= -14x + 17x - 8 + 4 \\
 &= (-14 + 17)x - 8 + 4 \\
 &= 3x - 4
 \end{aligned}$$

7

$$\begin{aligned}
 & (-4x - 12) + (14x + 16) \\
 &= -4x - 12 + 14x + 16 \\
 &= -4x + 14x - 12 + 16 \\
 &= (-4 + 14)x - 12 + 16 \\
 &= 10x + 4
 \end{aligned}$$

8

$$\begin{aligned}
 & (6x + 18) + (-12x - 8) \\
 &= 6x + 18 - 12x - 8 \\
 &= 6x - 12x + 18 - 8 \\
 &= (6 - 12)x + 18 - 8 \\
 &= -6x + 10
 \end{aligned}$$

1

$$(-15x + 3) + (14x - 6)$$

2

$$(-x + 18) + (4x - 18)$$

3

$$(-3x - 13) + (13x + 14)$$

4

$$(-12x - 7) + (13x + 14)$$

5

$$(-17x + 13) + (3x - 11)$$

6

$$(x + 4) + (-14x - 18)$$

7

$$(-20x + 15) + (14x - 18)$$

8

$$(9x - 5) + (-9x + 15)$$

1

$$\begin{aligned}
 & (-15x + 3) + (14x - 6) \\
 &= -15x + 3 + 14x - 6 \\
 &= -15x + 14x + 3 - 6 \\
 &= (-15 + 14)x + 3 - 6 \\
 &= -x - 3
 \end{aligned}$$

2

$$\begin{aligned}
 & (-x + 18) + (4x - 18) \\
 &= -x + 18 + 4x - 18 \\
 &= -x + 4x + 18 - 18 \\
 &= (-1 + 4)x + 18 - 18 \\
 &= 3x
 \end{aligned}$$

3

$$\begin{aligned}
 & (-3x - 13) + (13x + 14) \\
 &= -3x - 13 + 13x + 14 \\
 &= -3x + 13x - 13 + 14 \\
 &= (-3 + 13)x - 13 + 14 \\
 &= 10x + 1
 \end{aligned}$$

4

$$\begin{aligned}
 & (-12x - 7) + (13x + 14) \\
 &= -12x - 7 + 13x + 14 \\
 &= -12x + 13x - 7 + 14 \\
 &= (-12 + 13)x - 7 + 14 \\
 &= x + 7
 \end{aligned}$$

5

$$\begin{aligned}
 & (-17x + 13) + (3x - 11) \\
 &= -17x + 13 + 3x - 11 \\
 &= -17x + 3x + 13 - 11 \\
 &= (-17 + 3)x + 13 - 11 \\
 &= -14x + 2
 \end{aligned}$$

6

$$\begin{aligned}
 & (x + 4) + (-14x - 18) \\
 &= x + 4 - 14x - 18 \\
 &= x - 14x + 4 - 18 \\
 &= (1 - 14)x + 4 - 18 \\
 &= -13x - 14
 \end{aligned}$$

7

$$\begin{aligned}
 & (-20x + 15) + (14x - 18) \\
 &= -20x + 15 + 14x - 18 \\
 &= -20x + 14x + 15 - 18 \\
 &= (-20 + 14)x + 15 - 18 \\
 &= -6x - 3
 \end{aligned}$$

8

$$\begin{aligned}
 & (9x - 5) + (-9x + 15) \\
 &= 9x - 5 - 9x + 15 \\
 &= 9x - 9x - 5 + 15 \\
 &= (9 - 9)x - 5 + 15 \\
 &= 10
 \end{aligned}$$

1

$$(11x + 18) + (-2x - 16)$$

2

$$(2x + 7) + (-10x - 6)$$

3

$$(8x + 20) + (-2x - 7)$$

4

$$(2x + 5) + (-x - 10)$$

5

$$(17x - 3) + (-10x + 4)$$

6

$$(-13x - 3) + (9x + 15)$$

7

$$(15x - 10) + (-8x + 11)$$

8

$$(18x - 10) + (-18x + 12)$$

1

$$\begin{aligned}
 & (11x + 18) + (-2x - 16) \\
 &= 11x + 18 - 2x - 16 \\
 &= 11x - 2x + 18 - 16 \\
 &= (11 - 2)x + 18 - 16 \\
 &= 9x + 2
 \end{aligned}$$

2

$$\begin{aligned}
 & (2x + 7) + (-10x - 6) \\
 &= 2x + 7 - 10x - 6 \\
 &= 2x - 10x + 7 - 6 \\
 &= (2 - 10)x + 7 - 6 \\
 &= -8x + 1
 \end{aligned}$$

3

$$\begin{aligned}
 & (8x + 20) + (-2x - 7) \\
 &= 8x + 20 - 2x - 7 \\
 &= 8x - 2x + 20 - 7 \\
 &= (8 - 2)x + 20 - 7 \\
 &= 6x + 13
 \end{aligned}$$

4

$$\begin{aligned}
 & (2x + 5) + (-x - 10) \\
 &= 2x + 5 - x - 10 \\
 &= 2x - x + 5 - 10 \\
 &= (2 - 1)x + 5 - 10 \\
 &= x - 5
 \end{aligned}$$

5

$$\begin{aligned}
 & (17x - 3) + (-10x + 4) \\
 &= 17x - 3 - 10x + 4 \\
 &= 17x - 10x - 3 + 4 \\
 &= (17 - 10)x - 3 + 4 \\
 &= 7x + 1
 \end{aligned}$$

6

$$\begin{aligned}
 & (-13x - 3) + (9x + 15) \\
 &= -13x - 3 + 9x + 15 \\
 &= -13x + 9x - 3 + 15 \\
 &= (-13 + 9)x - 3 + 15 \\
 &= -4x + 12
 \end{aligned}$$

7

$$\begin{aligned}
 & (15x - 10) + (-8x + 11) \\
 &= 15x - 10 - 8x + 11 \\
 &= 15x - 8x - 10 + 11 \\
 &= (15 - 8)x - 10 + 11 \\
 &= 7x + 1
 \end{aligned}$$

8

$$\begin{aligned}
 & (18x - 10) + (-18x + 12) \\
 &= 18x - 10 - 18x + 12 \\
 &= 18x - 18x - 10 + 12 \\
 &= (18 - 18)x - 10 + 12 \\
 &= 2
 \end{aligned}$$

問題

次の計算をしましょう。

①

$$(11x + 1) - (-2x - 6)$$

②

$$(-11x + 7) - (17x - 16)$$

③

$$(14x + 10) - (-17x - 20)$$

④

$$(-7x - 1) - (6x + 19)$$

⑤

$$(-9x + 10) - (7x - 12)$$

⑥

$$(17x - 19) - (-6x + 2)$$

1

$$\begin{aligned}
& (11x + 1) - (-2x - 6) \\
&= (11x + 1) + (2x + 6) \\
&= 11x + 1 + 2x + 6 \\
&= 11x + 2x + 1 + 6 \\
&= (11 + 2)x + 1 + 6 \\
&= 13x + 7
\end{aligned}$$

2

$$\begin{aligned}
& (-11x + 7) - (17x - 16) \\
&= (-11x + 7) + (-17x + 16) \\
&= -11x + 7 - 17x + 16 \\
&= -11x - 17x + 7 + 16 \\
&= (-11 - 17)x + 7 + 16 \\
&= -28x + 23
\end{aligned}$$

3

$$\begin{aligned}
& (14x + 10) - (-17x - 20) \\
&= (14x + 10) + (17x + 20) \\
&= 14x + 10 + 17x + 20 \\
&= 14x + 17x + 10 + 20 \\
&= (14 + 17)x + 10 + 20 \\
&= 31x + 30
\end{aligned}$$

4

$$\begin{aligned}
& (-7x - 1) - (6x + 19) \\
&= (-7x - 1) + (-6x - 19) \\
&= -7x - 1 - 6x - 19 \\
&= -7x - 6x - 1 - 19 \\
&= (-7 - 6)x - 1 - 19 \\
&= -13x - 20
\end{aligned}$$

5

$$\begin{aligned}
& (-9x + 10) - (7x - 12) \\
&= (-9x + 10) + (-7x + 12) \\
&= -9x + 10 - 7x + 12 \\
&= -9x - 7x + 10 + 12 \\
&= (-9 - 7)x + 10 + 12 \\
&= -16x + 22
\end{aligned}$$

6

$$\begin{aligned}
& (17x - 19) - (-6x + 2) \\
&= (17x - 19) + (6x - 2) \\
&= 17x - 19 + 6x - 2 \\
&= 17x + 6x - 19 - 2 \\
&= (17 + 6)x - 19 - 2 \\
&= 23x - 21
\end{aligned}$$

1

$$(-13x + 15) - (6x - 19)$$

2

$$(12x - 14) - (-8x + 19)$$

3

$$(-7x - 5) - (12x + 16)$$

4

$$(2x - 2) - (-11x + 8)$$

5

$$(2x + 5) - (-17x - 16)$$

6

$$(-8x - 7) - (8x + 11)$$

1

$$\begin{aligned}
 & (-13x + 15) - (6x - 19) \\
 &= (-13x + 15) + (-6x + 19) \\
 &= -13x + 15 - 6x + 19 \\
 &= -13x - 6x + 15 + 19 \\
 &= (-13 - 6)x + 15 + 19 \\
 &= -19x + 34
 \end{aligned}$$

2

$$\begin{aligned}
 & (12x - 14) - (-8x + 19) \\
 &= (12x - 14) + (8x - 19) \\
 &= 12x - 14 + 8x - 19 \\
 &= 12x + 8x - 14 - 19 \\
 &= (12 + 8)x - 14 - 19 \\
 &= 20x - 33
 \end{aligned}$$

3

$$\begin{aligned}
 & (-7x - 5) - (12x + 16) \\
 &= (-7x - 5) + (-12x - 16) \\
 &= -7x - 5 - 12x - 16 \\
 &= -7x - 12x - 5 - 16 \\
 &= (-7 - 12)x - 5 - 16 \\
 &= -19x - 21
 \end{aligned}$$

4

$$\begin{aligned}
 & (2x - 2) - (-11x + 8) \\
 &= (2x - 2) + (11x - 8) \\
 &= 2x - 2 + 11x - 8 \\
 &= 2x + 11x - 2 - 8 \\
 &= (2 + 11)x - 2 - 8 \\
 &= 13x - 10
 \end{aligned}$$

5

$$\begin{aligned}
 & (2x + 5) - (-17x - 16) \\
 &= (2x + 5) + (17x + 16) \\
 &= 2x + 5 + 17x + 16 \\
 &= 2x + 17x + 5 + 16 \\
 &= (2 + 17)x + 5 + 16 \\
 &= 19x + 21
 \end{aligned}$$

6

$$\begin{aligned}
 & (-8x - 7) - (8x + 11) \\
 &= (-8x - 7) + (-8x - 11) \\
 &= -8x - 7 - 8x - 11 \\
 &= -8x - 8x - 7 - 11 \\
 &= (-8 - 8)x - 7 - 11 \\
 &= -16x - 18
 \end{aligned}$$

1

$$(18x + 4) - (-x - 19)$$

2

$$(11x + 16) - (-2x - 14)$$

3

$$(18x + 10) - (-6x - 20)$$

4

$$(12x - 20) - (-8x + 16)$$

5

$$(-12x + 10) - (7x - 10)$$

6

$$(16x - 16) - (-10x + 14)$$

1

$$\begin{aligned} & (18x + 4) - (-x - 19) \\ &= (18x + 4) + (x + 19) \\ &= 18x + 4 + x + 19 \\ &= 18x + x + 4 + 19 \\ &= (18 + 1)x + 4 + 19 \\ &= 19x + 23 \end{aligned}$$

2

$$\begin{aligned} & (11x + 16) - (-2x - 14) \\ &= (11x + 16) + (2x + 14) \\ &= 11x + 16 + 2x + 14 \\ &= 11x + 2x + 16 + 14 \\ &= (11 + 2)x + 16 + 14 \\ &= 13x + 30 \end{aligned}$$

3

$$\begin{aligned} & (18x + 10) - (-6x - 20) \\ &= (18x + 10) + (6x + 20) \\ &= 18x + 10 + 6x + 20 \\ &= 18x + 6x + 10 + 20 \\ &= (18 + 6)x + 10 + 20 \\ &= 24x + 30 \end{aligned}$$

4

$$\begin{aligned} & (12x - 20) - (-8x + 16) \\ &= (12x - 20) + (8x - 16) \\ &= 12x - 20 + 8x - 16 \\ &= 12x + 8x - 20 - 16 \\ &= (12 + 8)x - 20 - 16 \\ &= 20x - 36 \end{aligned}$$

5

$$\begin{aligned} & (-12x + 10) - (7x - 10) \\ &= (-12x + 10) + (-7x + 10) \\ &= -12x + 10 - 7x + 10 \\ &= -12x - 7x + 10 + 10 \\ &= (-12 - 7)x + 10 + 10 \\ &= -19x + 20 \end{aligned}$$

6

$$\begin{aligned} & (16x - 16) - (-10x + 14) \\ &= (16x - 16) + (10x - 14) \\ &= 16x - 16 + 10x - 14 \\ &= 16x + 10x - 16 - 14 \\ &= (16 + 10)x - 16 - 14 \\ &= 26x - 30 \end{aligned}$$

①

$$(x + 20) - (-17x - 12)$$

②

$$(-18x - 15) - (13x + 11)$$

③

$$(-13x + 17) - (2x - 6)$$

④

$$(13x - 20) - (-3x + 2)$$

⑤

$$(-3x + 8) - (8x - 19)$$

⑥

$$(-19x - 12) - (14x + 14)$$

1

$$\begin{aligned}
& (x + 20) - (-17x - 12) \\
&= (x + 20) + (17x + 12) \\
&= x + 20 + 17x + 12 \\
&= x + 17x + 20 + 12 \\
&= (1 + 17)x + 20 + 12 \\
&= 18x + 32
\end{aligned}$$

2

$$\begin{aligned}
& (-18x - 15) - (13x + 11) \\
&= (-18x - 15) + (-13x - 11) \\
&= -18x - 15 - 13x - 11 \\
&= -18x - 13x - 15 - 11 \\
&= (-18 - 13)x - 15 - 11 \\
&= -31x - 26
\end{aligned}$$

3

$$\begin{aligned}
& (-13x + 17) - (2x - 6) \\
&= (-13x + 17) + (-2x + 6) \\
&= -13x + 17 - 2x + 6 \\
&= -13x - 2x + 17 + 6 \\
&= (-13 - 2)x + 17 + 6 \\
&= -15x + 23
\end{aligned}$$

4

$$\begin{aligned}
& (13x - 20) - (-3x + 2) \\
&= (13x - 20) + (3x - 2) \\
&= 13x - 20 + 3x - 2 \\
&= 13x + 3x - 20 - 2 \\
&= (13 + 3)x - 20 - 2 \\
&= 16x - 22
\end{aligned}$$

5

$$\begin{aligned}
& (-3x + 8) - (8x - 19) \\
&= (-3x + 8) + (-8x + 19) \\
&= -3x + 8 - 8x + 19 \\
&= -3x - 8x + 8 + 19 \\
&= (-3 - 8)x + 8 + 19 \\
&= -11x + 27
\end{aligned}$$

6

$$\begin{aligned}
& (-19x - 12) - (14x + 14) \\
&= (-19x - 12) + (-14x - 14) \\
&= -19x - 12 - 14x - 14 \\
&= -19x - 14x - 12 - 14 \\
&= (-19 - 14)x - 12 - 14 \\
&= -33x - 26
\end{aligned}$$

①

$$(2x - 10) - (-20x + 2)$$

②

$$(-16x + 4) - (3x - 9)$$

③

$$(-18x - 11) - (12x + 18)$$

④

$$(6x + 18) - (-2x - 19)$$

⑤

$$(9x - 3) - (-9x + 4)$$

⑥

$$(-16x + 10) - (12x - 17)$$

1

$$\begin{aligned}
& (2x - 10) - (-20x + 2) \\
&= (2x - 10) + (20x - 2) \\
&= 2x - 10 + 20x - 2 \\
&= 2x + 20x - 10 - 2 \\
&= (2 + 20)x - 10 - 2 \\
&= 22x - 12
\end{aligned}$$

2

$$\begin{aligned}
& (-16x + 4) - (3x - 9) \\
&= (-16x + 4) + (-3x + 9) \\
&= -16x + 4 - 3x + 9 \\
&= -16x - 3x + 4 + 9 \\
&= (-16 - 3)x + 4 + 9 \\
&= -19x + 13
\end{aligned}$$

3

$$\begin{aligned}
& (-18x - 11) - (12x + 18) \\
&= (-18x - 11) + (-12x - 18) \\
&= -18x - 11 - 12x - 18 \\
&= -18x - 12x - 11 - 18 \\
&= (-18 - 12)x - 11 - 18 \\
&= -30x - 29
\end{aligned}$$

4

$$\begin{aligned}
& (6x + 18) - (-2x - 19) \\
&= (6x + 18) + (2x + 19) \\
&= 6x + 18 + 2x + 19 \\
&= 6x + 2x + 18 + 19 \\
&= (6 + 2)x + 18 + 19 \\
&= 8x + 37
\end{aligned}$$

5

$$\begin{aligned}
& (9x - 3) - (-9x + 4) \\
&= (9x - 3) + (9x - 4) \\
&= 9x - 3 + 9x - 4 \\
&= 9x + 9x - 3 - 4 \\
&= (9 + 9)x - 3 - 4 \\
&= 18x - 7
\end{aligned}$$

6

$$\begin{aligned}
& (-16x + 10) - (12x - 17) \\
&= (-16x + 10) + (-12x + 17) \\
&= -16x + 10 - 12x + 17 \\
&= -16x - 12x + 10 + 17 \\
&= (-16 - 12)x + 10 + 17 \\
&= -28x + 27
\end{aligned}$$

①

$$(-6x + 3) - (8x - 18)$$

②

$$(-17x + 3) - (18x - 14)$$

③

$$(15x + 9) - (-14x - 18)$$

④

$$(-12x + 9) - (8x - 8)$$

⑤

$$(20x - 10) - (-12x + 10)$$

⑥

$$(-11x + 7) - (15x - 3)$$

1

$$\begin{aligned}
& (-6x + 3) - (8x - 18) \\
&= (-6x + 3) + (-8x + 18) \\
&= -6x + 3 - 8x + 18 \\
&= -6x - 8x + 3 + 18 \\
&= (-6 - 8)x + 3 + 18 \\
&= -14x + 21
\end{aligned}$$

2

$$\begin{aligned}
& (-17x + 3) - (18x - 14) \\
&= (-17x + 3) + (-18x + 14) \\
&= -17x + 3 - 18x + 14 \\
&= -17x - 18x + 3 + 14 \\
&= (-17 - 18)x + 3 + 14 \\
&= -35x + 17
\end{aligned}$$

3

$$\begin{aligned}
& (15x + 9) - (-14x - 18) \\
&= (15x + 9) + (14x + 18) \\
&= 15x + 9 + 14x + 18 \\
&= 15x + 14x + 9 + 18 \\
&= (15 + 14)x + 9 + 18 \\
&= 29x + 27
\end{aligned}$$

4

$$\begin{aligned}
& (-12x + 9) - (8x - 8) \\
&= (-12x + 9) + (-8x + 8) \\
&= -12x + 9 - 8x + 8 \\
&= -12x - 8x + 9 + 8 \\
&= (-12 - 8)x + 9 + 8 \\
&= -20x + 17
\end{aligned}$$

5

$$\begin{aligned}
& (20x - 10) - (-12x + 10) \\
&= (20x - 10) + (12x - 10) \\
&= 20x - 10 + 12x - 10 \\
&= 20x + 12x - 10 - 10 \\
&= (20 + 12)x - 10 - 10 \\
&= 32x - 20
\end{aligned}$$

6

$$\begin{aligned}
& (-11x + 7) - (15x - 3) \\
&= (-11x + 7) + (-15x + 3) \\
&= -11x + 7 - 15x + 3 \\
&= -11x - 15x + 7 + 3 \\
&= (-11 - 15)x + 7 + 3 \\
&= -26x + 10
\end{aligned}$$

①

$$(12x - 10) - (-5x + 2)$$

②

$$(-19x - 4) - (18x + 18)$$

③

$$(-11x + 2) - (3x - 17)$$

④

$$(-17x - 10) - (4x + 2)$$

⑤

$$(-2x + 9) - (20x - 1)$$

⑥

$$(-17x - 13) - (3x + 13)$$

1

$$\begin{aligned}
& (12x - 10) - (-5x + 2) \\
&= (12x - 10) + (5x - 2) \\
&= 12x - 10 + 5x - 2 \\
&= 12x + 5x - 10 - 2 \\
&= (12 + 5)x - 10 - 2 \\
&= 17x - 12
\end{aligned}$$

2

$$\begin{aligned}
& (-19x - 4) - (18x + 18) \\
&= (-19x - 4) + (-18x - 18) \\
&= -19x - 4 - 18x - 18 \\
&= -19x - 18x - 4 - 18 \\
&= (-19 - 18)x - 4 - 18 \\
&= -37x - 22
\end{aligned}$$

3

$$\begin{aligned}
& (-11x + 2) - (3x - 17) \\
&= (-11x + 2) + (-3x + 17) \\
&= -11x + 2 - 3x + 17 \\
&= -11x - 3x + 2 + 17 \\
&= (-11 - 3)x + 2 + 17 \\
&= -14x + 19
\end{aligned}$$

4

$$\begin{aligned}
& (-17x - 10) - (4x + 2) \\
&= (-17x - 10) + (-4x - 2) \\
&= -17x - 10 - 4x - 2 \\
&= -17x - 4x - 10 - 2 \\
&= (-17 - 4)x - 10 - 2 \\
&= -21x - 12
\end{aligned}$$

5

$$\begin{aligned}
& (-2x + 9) - (20x - 1) \\
&= (-2x + 9) + (-20x + 1) \\
&= -2x + 9 - 20x + 1 \\
&= -2x - 20x + 9 + 1 \\
&= (-2 - 20)x + 9 + 1 \\
&= -22x + 10
\end{aligned}$$

6

$$\begin{aligned}
& (-17x - 13) - (3x + 13) \\
&= (-17x - 13) + (-3x - 13) \\
&= -17x - 13 - 3x - 13 \\
&= -17x - 3x - 13 - 13 \\
&= (-17 - 3)x - 13 - 13 \\
&= -20x - 26
\end{aligned}$$

①

$$(-6x - 3) - (19x + 17)$$

②

$$(-13x + 1) - (2x - 16)$$

③

$$(-5x + 19) - (9x - 9)$$

④

$$(-8x - 13) - (7x + 16)$$

⑤

$$(-12x - 13) - (5x + 12)$$

⑥

$$(-2x - 15) - (9x + 4)$$

1

$$\begin{aligned}
& (-6x - 3) - (19x + 17) \\
&= (-6x - 3) + (-19x - 17) \\
&= -6x - 3 - 19x - 17 \\
&= -6x - 19x - 3 - 17 \\
&= (-6 - 19)x - 3 - 17 \\
&= -25x - 20
\end{aligned}$$

2

$$\begin{aligned}
& (-13x + 1) - (2x - 16) \\
&= (-13x + 1) + (-2x + 16) \\
&= -13x + 1 - 2x + 16 \\
&= -13x - 2x + 1 + 16 \\
&= (-13 - 2)x + 1 + 16 \\
&= -15x + 17
\end{aligned}$$

3

$$\begin{aligned}
& (-5x + 19) - (9x - 9) \\
&= (-5x + 19) + (-9x + 9) \\
&= -5x + 19 - 9x + 9 \\
&= -5x - 9x + 19 + 9 \\
&= (-5 - 9)x + 19 + 9 \\
&= -14x + 28
\end{aligned}$$

4

$$\begin{aligned}
& (-8x - 13) - (7x + 16) \\
&= (-8x - 13) + (-7x - 16) \\
&= -8x - 13 - 7x - 16 \\
&= -8x - 7x - 13 - 16 \\
&= (-8 - 7)x - 13 - 16 \\
&= -15x - 29
\end{aligned}$$

5

$$\begin{aligned}
& (-12x - 13) - (5x + 12) \\
&= (-12x - 13) + (-5x - 12) \\
&= -12x - 13 - 5x - 12 \\
&= -12x - 5x - 13 - 12 \\
&= (-12 - 5)x - 13 - 12 \\
&= -17x - 25
\end{aligned}$$

6

$$\begin{aligned}
& (-2x - 15) - (9x + 4) \\
&= (-2x - 15) + (-9x - 4) \\
&= -2x - 15 - 9x - 4 \\
&= -2x - 9x - 15 - 4 \\
&= (-2 - 9)x - 15 - 4 \\
&= -11x - 19
\end{aligned}$$

①

$$(-7x + 3) - (5x - 19)$$

②

$$(-3x - 9) - (3x + 8)$$

③

$$(x + 17) - (-3x - 18)$$

④

$$(-12x - 20) - (8x + 16)$$

⑤

$$(2x + 15) - (-2x - 4)$$

⑥

$$(6x + 5) - (-8x - 20)$$

1

$$\begin{aligned}
 & (-7x + 3) - (5x - 19) \\
 &= (-7x + 3) + (-5x + 19) \\
 &= -7x + 3 - 5x + 19 \\
 &= -7x - 5x + 3 + 19 \\
 &= (-7 - 5)x + 3 + 19 \\
 &= -12x + 22
 \end{aligned}$$

2

$$\begin{aligned}
 & (-3x - 9) - (3x + 8) \\
 &= (-3x - 9) + (-3x - 8) \\
 &= -3x - 9 - 3x - 8 \\
 &= -3x - 3x - 9 - 8 \\
 &= (-3 - 3)x - 9 - 8 \\
 &= -6x - 17
 \end{aligned}$$

3

$$\begin{aligned}
 & (x + 17) - (-3x - 18) \\
 &= (x + 17) + (3x + 18) \\
 &= x + 17 + 3x + 18 \\
 &= x + 3x + 17 + 18 \\
 &= (1 + 3)x + 17 + 18 \\
 &= 4x + 35
 \end{aligned}$$

4

$$\begin{aligned}
 & (-12x - 20) - (8x + 16) \\
 &= (-12x - 20) + (-8x - 16) \\
 &= -12x - 20 - 8x - 16 \\
 &= -12x - 8x - 20 - 16 \\
 &= (-12 - 8)x - 20 - 16 \\
 &= -20x - 36
 \end{aligned}$$

5

$$\begin{aligned}
 & (2x + 15) - (-2x - 4) \\
 &= (2x + 15) + (2x + 4) \\
 &= 2x + 15 + 2x + 4 \\
 &= 2x + 2x + 15 + 4 \\
 &= (2 + 2)x + 15 + 4 \\
 &= 4x + 19
 \end{aligned}$$

6

$$\begin{aligned}
 & (6x + 5) - (-8x - 20) \\
 &= (6x + 5) + (8x + 20) \\
 &= 6x + 5 + 8x + 20 \\
 &= 6x + 8x + 5 + 20 \\
 &= (6 + 8)x + 5 + 20 \\
 &= 14x + 25
 \end{aligned}$$

①

$$(6x + 16) - (-20x - 17)$$

②

$$(-9x - 16) - (19x + 2)$$

③

$$(-16x - 6) - (3x + 1)$$

④

$$(-7x - 5) - (12x + 15)$$

⑤

$$(2x - 4) - (-16x + 3)$$

⑥

$$(-7x - 10) - (18x + 9)$$

1

$$\begin{aligned} & (6x + 16) - (-20x - 17) \\ &= (6x + 16) + (20x + 17) \\ &= 6x + 16 + 20x + 17 \\ &= 6x + 20x + 16 + 17 \\ &= (6 + 20)x + 16 + 17 \\ &= 26x + 33 \end{aligned}$$

2

$$\begin{aligned} & (-9x - 16) - (19x + 2) \\ &= (-9x - 16) + (-19x - 2) \\ &= -9x - 16 - 19x - 2 \\ &= -9x - 19x - 16 - 2 \\ &= (-9 - 19)x - 16 - 2 \\ &= -28x - 18 \end{aligned}$$

3

$$\begin{aligned} & (-16x - 6) - (3x + 1) \\ &= (-16x - 6) + (-3x - 1) \\ &= -16x - 6 - 3x - 1 \\ &= -16x - 3x - 6 - 1 \\ &= (-16 - 3)x - 6 - 1 \\ &= -19x - 7 \end{aligned}$$

4

$$\begin{aligned} & (-7x - 5) - (12x + 15) \\ &= (-7x - 5) + (-12x - 15) \\ &= -7x - 5 - 12x - 15 \\ &= -7x - 12x - 5 - 15 \\ &= (-7 - 12)x - 5 - 15 \\ &= -19x - 20 \end{aligned}$$

5

$$\begin{aligned} & (2x - 4) - (-16x + 3) \\ &= (2x - 4) + (16x - 3) \\ &= 2x - 4 + 16x - 3 \\ &= 2x + 16x - 4 - 3 \\ &= (2 + 16)x - 4 - 3 \\ &= 18x - 7 \end{aligned}$$

6

$$\begin{aligned} & (-7x - 10) - (18x + 9) \\ &= (-7x - 10) + (-18x - 9) \\ &= -7x - 10 - 18x - 9 \\ &= -7x - 18x - 10 - 9 \\ &= (-7 - 18)x - 10 - 9 \\ &= -25x - 19 \end{aligned}$$

1

$$(2x + 16) - (-20x - 8)$$

2

$$(19x - 9) - (-6x + 20)$$

3

$$(18x + 10) - (-x - 12)$$

4

$$(2x - 12) - (-7x + 12)$$

5

$$(-6x + 16) - (7x - 6)$$

6

$$(7x - 19) - (-20x + 10)$$

1

$$\begin{aligned}
& (2x + 16) - (-20x - 8) \\
&= (2x + 16) + (20x + 8) \\
&= 2x + 16 + 20x + 8 \\
&= 2x + 20x + 16 + 8 \\
&= (2 + 20)x + 16 + 8 \\
&= 22x + 24
\end{aligned}$$

2

$$\begin{aligned}
& (19x - 9) - (-6x + 20) \\
&= (19x - 9) + (6x - 20) \\
&= 19x - 9 + 6x - 20 \\
&= 19x + 6x - 9 - 20 \\
&= (19 + 6)x - 9 - 20 \\
&= 25x - 29
\end{aligned}$$

3

$$\begin{aligned}
& (18x + 10) - (-x - 12) \\
&= (18x + 10) + (x + 12) \\
&= 18x + 10 + x + 12 \\
&= 18x + x + 10 + 12 \\
&= (18 + 1)x + 10 + 12 \\
&= 19x + 22
\end{aligned}$$

4

$$\begin{aligned}
& (2x - 12) - (-7x + 12) \\
&= (2x - 12) + (7x - 12) \\
&= 2x - 12 + 7x - 12 \\
&= 2x + 7x - 12 - 12 \\
&= (2 + 7)x - 12 - 12 \\
&= 9x - 24
\end{aligned}$$

5

$$\begin{aligned}
& (-6x + 16) - (7x - 6) \\
&= (-6x + 16) + (-7x + 6) \\
&= -6x + 16 - 7x + 6 \\
&= -6x - 7x + 16 + 6 \\
&= (-6 - 7)x + 16 + 6 \\
&= -13x + 22
\end{aligned}$$

6

$$\begin{aligned}
& (7x - 19) - (-20x + 10) \\
&= (7x - 19) + (20x - 10) \\
&= 7x - 19 + 20x - 10 \\
&= 7x + 20x - 19 - 10 \\
&= (7 + 20)x - 19 - 10 \\
&= 27x - 29
\end{aligned}$$

①

$$(-14x + 9) - (x - 3)$$

②

$$(10x + 20) - (-11x - 7)$$

③

$$(-12x + 20) - (18x - 16)$$

④

$$(10x - 19) - (-9x + 4)$$

⑤

$$(18x - 3) - (-12x + 2)$$

⑥

$$(-14x - 5) - (8x + 8)$$

1

$$\begin{aligned}
& (-14x + 9) - (x - 3) \\
&= (-14x + 9) + (-x + 3) \\
&= -14x + 9 - x + 3 \\
&= -14x - x + 9 + 3 \\
&= (-14 - 1)x + 9 + 3 \\
&= -15x + 12
\end{aligned}$$

2

$$\begin{aligned}
& (10x + 20) - (-11x - 7) \\
&= (10x + 20) + (11x + 7) \\
&= 10x + 20 + 11x + 7 \\
&= 10x + 11x + 20 + 7 \\
&= (10 + 11)x + 20 + 7 \\
&= 21x + 27
\end{aligned}$$

3

$$\begin{aligned}
& (-12x + 20) - (18x - 16) \\
&= (-12x + 20) + (-18x + 16) \\
&= -12x + 20 - 18x + 16 \\
&= -12x - 18x + 20 + 16 \\
&= (-12 - 18)x + 20 + 16 \\
&= -30x + 36
\end{aligned}$$

4

$$\begin{aligned}
& (10x - 19) - (-9x + 4) \\
&= (10x - 19) + (9x - 4) \\
&= 10x - 19 + 9x - 4 \\
&= 10x + 9x - 19 - 4 \\
&= (10 + 9)x - 19 - 4 \\
&= 19x - 23
\end{aligned}$$

5

$$\begin{aligned}
& (18x - 3) - (-12x + 2) \\
&= (18x - 3) + (12x - 2) \\
&= 18x - 3 + 12x - 2 \\
&= 18x + 12x - 3 - 2 \\
&= (18 + 12)x - 3 - 2 \\
&= 30x - 5
\end{aligned}$$

6

$$\begin{aligned}
& (-14x - 5) - (8x + 8) \\
&= (-14x - 5) + (-8x - 8) \\
&= -14x - 5 - 8x - 8 \\
&= -14x - 8x - 5 - 8 \\
&= (-14 - 8)x - 5 - 8 \\
&= -22x - 13
\end{aligned}$$

①

$$(16x - 14) - (-11x + 13)$$

②

$$(17x + 13) - (-3x - 11)$$

③

$$(11x - 4) - (-19x + 20)$$

④

$$(-19x - 1) - (4x + 8)$$

⑤

$$(20x + 15) - (-2x - 14)$$

⑥

$$(-15x - 3) - (4x + 4)$$

1

$$\begin{aligned}
& (16x - 14) - (-11x + 13) \\
&= (16x - 14) + (11x - 13) \\
&= 16x - 14 + 11x - 13 \\
&= 16x + 11x - 14 - 13 \\
&= (16 + 11)x - 14 - 13 \\
&= 27x - 27
\end{aligned}$$

2

$$\begin{aligned}
& (17x + 13) - (-3x - 11) \\
&= (17x + 13) + (3x + 11) \\
&= 17x + 13 + 3x + 11 \\
&= 17x + 3x + 13 + 11 \\
&= (17 + 3)x + 13 + 11 \\
&= 20x + 24
\end{aligned}$$

3

$$\begin{aligned}
& (11x - 4) - (-19x + 20) \\
&= (11x - 4) + (19x - 20) \\
&= 11x - 4 + 19x - 20 \\
&= 11x + 19x - 4 - 20 \\
&= (11 + 19)x - 4 - 20 \\
&= 30x - 24
\end{aligned}$$

4

$$\begin{aligned}
& (-19x - 1) - (4x + 8) \\
&= (-19x - 1) + (-4x - 8) \\
&= -19x - 1 - 4x - 8 \\
&= -19x - 4x - 1 - 8 \\
&= (-19 - 4)x - 1 - 8 \\
&= -23x - 9
\end{aligned}$$

5

$$\begin{aligned}
& (20x + 15) - (-2x - 14) \\
&= (20x + 15) + (2x + 14) \\
&= 20x + 15 + 2x + 14 \\
&= 20x + 2x + 15 + 14 \\
&= (20 + 2)x + 15 + 14 \\
&= 22x + 29
\end{aligned}$$

6

$$\begin{aligned}
& (-15x - 3) - (4x + 4) \\
&= (-15x - 3) + (-4x - 4) \\
&= -15x - 3 - 4x - 4 \\
&= -15x - 4x - 3 - 4 \\
&= (-15 - 4)x - 3 - 4 \\
&= -19x - 7
\end{aligned}$$

①

$$(-13x + 18) - (10x - 11)$$

②

$$(18x + 5) - (-13x - 7)$$

③

$$(11x + 1) - (-2x - 6)$$

④

$$(-6x - 19) - (6x + 10)$$

⑤

$$(x - 9) - (-9x + 1)$$

⑥

$$(-7x - 10) - (16x + 20)$$

1

$$\begin{aligned}
& (-13x + 18) - (10x - 11) \\
&= (-13x + 18) + (-10x + 11) \\
&= -13x + 18 - 10x + 11 \\
&= -13x - 10x + 18 + 11 \\
&= (-13 - 10)x + 18 + 11 \\
&= -23x + 29
\end{aligned}$$

2

$$\begin{aligned}
& (18x + 5) - (-13x - 7) \\
&= (18x + 5) + (13x + 7) \\
&= 18x + 5 + 13x + 7 \\
&= 18x + 13x + 5 + 7 \\
&= (18 + 13)x + 5 + 7 \\
&= 31x + 12
\end{aligned}$$

3

$$\begin{aligned}
& (11x + 1) - (-2x - 6) \\
&= (11x + 1) + (2x + 6) \\
&= 11x + 1 + 2x + 6 \\
&= 11x + 2x + 1 + 6 \\
&= (11 + 2)x + 1 + 6 \\
&= 13x + 7
\end{aligned}$$

4

$$\begin{aligned}
& (-6x - 19) - (6x + 10) \\
&= (-6x - 19) + (-6x - 10) \\
&= -6x - 19 - 6x - 10 \\
&= -6x - 6x - 19 - 10 \\
&= (-6 - 6)x - 19 - 10 \\
&= -12x - 29
\end{aligned}$$

5

$$\begin{aligned}
& (x - 9) - (-9x + 1) \\
&= (x - 9) + (9x - 1) \\
&= x - 9 + 9x - 1 \\
&= x + 9x - 9 - 1 \\
&= (1 + 9)x - 9 - 1 \\
&= 10x - 10
\end{aligned}$$

6

$$\begin{aligned}
& (-7x - 10) - (16x + 20) \\
&= (-7x - 10) + (-16x - 20) \\
&= -7x - 10 - 16x - 20 \\
&= -7x - 16x - 10 - 20 \\
&= (-7 - 16)x - 10 - 20 \\
&= -23x - 30
\end{aligned}$$

①

$$(-2x + 8) - (6x - 12)$$

②

$$(-10x - 10) - (10x + 10)$$

③

$$(13x + 7) - (-15x - 5)$$

④

$$(14x - 9) - (-14x + 20)$$

⑤

$$(13x + 1) - (-12x - 3)$$

⑥

$$(3x - 18) - (-9x + 10)$$

1

$$\begin{aligned} & (-2x + 8) - (6x - 12) \\ &= (-2x + 8) + (-6x + 12) \\ &= -2x + 8 - 6x + 12 \\ &= -2x - 6x + 8 + 12 \\ &= (-2 - 6)x + 8 + 12 \\ &= -8x + 20 \end{aligned}$$

2

$$\begin{aligned} & (-10x - 10) - (10x + 10) \\ &= (-10x - 10) + (-10x - 10) \\ &= -10x - 10 - 10x - 10 \\ &= -10x - 10x - 10 - 10 \\ &= (-10 - 10)x - 10 - 10 \\ &= -20x - 20 \end{aligned}$$

3

$$\begin{aligned} & (13x + 7) - (-15x - 5) \\ &= (13x + 7) + (15x + 5) \\ &= 13x + 7 + 15x + 5 \\ &= 13x + 15x + 7 + 5 \\ &= (13 + 15)x + 7 + 5 \\ &= 28x + 12 \end{aligned}$$

4

$$\begin{aligned} & (14x - 9) - (-14x + 20) \\ &= (14x - 9) + (14x - 20) \\ &= 14x - 9 + 14x - 20 \\ &= 14x + 14x - 9 - 20 \\ &= (14 + 14)x - 9 - 20 \\ &= 28x - 29 \end{aligned}$$

5

$$\begin{aligned} & (13x + 1) - (-12x - 3) \\ &= (13x + 1) + (12x + 3) \\ &= 13x + 1 + 12x + 3 \\ &= 13x + 12x + 1 + 3 \\ &= (13 + 12)x + 1 + 3 \\ &= 25x + 4 \end{aligned}$$

6

$$\begin{aligned} & (3x - 18) - (-9x + 10) \\ &= (3x - 18) + (9x - 10) \\ &= 3x - 18 + 9x - 10 \\ &= 3x + 9x - 18 - 10 \\ &= (3 + 9)x - 18 - 10 \\ &= 12x - 28 \end{aligned}$$

①

$$(-20x + 7) - (4x - 3)$$

②

$$(x - 18) - (-4x + 18)$$

③

$$(7x - 5) - (-12x + 16)$$

④

$$(-8x - 7) - (7x + 15)$$

⑤

$$(17x - 15) - (-14x + 9)$$

⑥

$$(5x - 7) - (-2x + 6)$$

1

$$\begin{aligned} & (-20x + 7) - (4x - 3) \\ &= (-20x + 7) + (-4x + 3) \\ &= -20x + 7 - 4x + 3 \\ &= -20x - 4x + 7 + 3 \\ &= (-20 - 4)x + 7 + 3 \\ &= -24x + 10 \end{aligned}$$

2

$$\begin{aligned} & (x - 18) - (-4x + 18) \\ &= (x - 18) + (4x - 18) \\ &= x - 18 + 4x - 18 \\ &= x + 4x - 18 - 18 \\ &= (1 + 4)x - 18 - 18 \\ &= 5x - 36 \end{aligned}$$

3

$$\begin{aligned} & (7x - 5) - (-12x + 16) \\ &= (7x - 5) + (12x - 16) \\ &= 7x - 5 + 12x - 16 \\ &= 7x + 12x - 5 - 16 \\ &= (7 + 12)x - 5 - 16 \\ &= 19x - 21 \end{aligned}$$

4

$$\begin{aligned} & (-8x - 7) - (7x + 15) \\ &= (-8x - 7) + (-7x - 15) \\ &= -8x - 7 - 7x - 15 \\ &= -8x - 7x - 7 - 15 \\ &= (-8 - 7)x - 7 - 15 \\ &= -15x - 22 \end{aligned}$$

5

$$\begin{aligned} & (17x - 15) - (-14x + 9) \\ &= (17x - 15) + (14x - 9) \\ &= 17x - 15 + 14x - 9 \\ &= 17x + 14x - 15 - 9 \\ &= (17 + 14)x - 15 - 9 \\ &= 31x - 24 \end{aligned}$$

6

$$\begin{aligned} & (5x - 7) - (-2x + 6) \\ &= (5x - 7) + (2x - 6) \\ &= 5x - 7 + 2x - 6 \\ &= 5x + 2x - 7 - 6 \\ &= (5 + 2)x - 7 - 6 \\ &= 7x - 13 \end{aligned}$$

①

$$(12x - 5) - (-9x + 20)$$

②

$$(-3x - 11) - (18x + 3)$$

③

$$(17x + 11) - (-2x - 20)$$

④

$$(12x - 10) - (-7x + 10)$$

⑤

$$(-17x + 16) - (6x - 19)$$

⑥

$$(-13x - 7) - (8x + 11)$$

1

$$\begin{aligned}
 & (12x - 5) - (-9x + 20) \\
 &= (12x - 5) + (9x - 20) \\
 &= 12x - 5 + 9x - 20 \\
 &= 12x + 9x - 5 - 20 \\
 &= (12 + 9)x - 5 - 20 \\
 &= 21x - 25
 \end{aligned}$$

2

$$\begin{aligned}
 & (-3x - 11) - (18x + 3) \\
 &= (-3x - 11) + (-18x - 3) \\
 &= -3x - 11 - 18x - 3 \\
 &= -3x - 18x - 11 - 3 \\
 &= (-3 - 18)x - 11 - 3 \\
 &= -21x - 14
 \end{aligned}$$

3

$$\begin{aligned}
 & (17x + 11) - (-2x - 20) \\
 &= (17x + 11) + (2x + 20) \\
 &= 17x + 11 + 2x + 20 \\
 &= 17x + 2x + 11 + 20 \\
 &= (17 + 2)x + 11 + 20 \\
 &= 19x + 31
 \end{aligned}$$

4

$$\begin{aligned}
 & (12x - 10) - (-7x + 10) \\
 &= (12x - 10) + (7x - 10) \\
 &= 12x - 10 + 7x - 10 \\
 &= 12x + 7x - 10 - 10 \\
 &= (12 + 7)x - 10 - 10 \\
 &= 19x - 20
 \end{aligned}$$

5

$$\begin{aligned}
 & (-17x + 16) - (6x - 19) \\
 &= (-17x + 16) + (-6x + 19) \\
 &= -17x + 16 - 6x + 19 \\
 &= -17x - 6x + 16 + 19 \\
 &= (-17 - 6)x + 16 + 19 \\
 &= -23x + 35
 \end{aligned}$$

6

$$\begin{aligned}
 & (-13x - 7) - (8x + 11) \\
 &= (-13x - 7) + (-8x - 11) \\
 &= -13x - 7 - 8x - 11 \\
 &= -13x - 8x - 7 - 11 \\
 &= (-13 - 8)x - 7 - 11 \\
 &= -21x - 18
 \end{aligned}$$

①

$$(-5x - 10) - (2x + 13)$$

②

$$(-19x + 5) - (4x - 15)$$

③

$$(20x + 12) - (-3x - 5)$$

④

$$(8x - 20) - (-3x + 14)$$

⑤

$$(6x + 6) - (-8x - 15)$$

⑥

$$(8x + 9) - (-10x - 13)$$

1

$$\begin{aligned} & (-5x - 10) - (2x + 13) \\ &= (-5x - 10) + (-2x - 13) \\ &= -5x - 10 - 2x - 13 \\ &= -5x - 2x - 10 - 13 \\ &= (-5 - 2)x - 10 - 13 \\ &= -7x - 23 \end{aligned}$$

2

$$\begin{aligned} & (-19x + 5) - (4x - 15) \\ &= (-19x + 5) + (-4x + 15) \\ &= -19x + 5 - 4x + 15 \\ &= -19x - 4x + 5 + 15 \\ &= (-19 - 4)x + 5 + 15 \\ &= -23x + 20 \end{aligned}$$

3

$$\begin{aligned} & (20x + 12) - (-3x - 5) \\ &= (20x + 12) + (3x + 5) \\ &= 20x + 12 + 3x + 5 \\ &= 20x + 3x + 12 + 5 \\ &= (20 + 3)x + 12 + 5 \\ &= 23x + 17 \end{aligned}$$

4

$$\begin{aligned} & (8x - 20) - (-3x + 14) \\ &= (8x - 20) + (3x - 14) \\ &= 8x - 20 + 3x - 14 \\ &= 8x + 3x - 20 - 14 \\ &= (8 + 3)x - 20 - 14 \\ &= 11x - 34 \end{aligned}$$

5

$$\begin{aligned} & (6x + 6) - (-8x - 15) \\ &= (6x + 6) + (8x + 15) \\ &= 6x + 6 + 8x + 15 \\ &= 6x + 8x + 6 + 15 \\ &= (6 + 8)x + 6 + 15 \\ &= 14x + 21 \end{aligned}$$

6

$$\begin{aligned} & (8x + 9) - (-10x - 13) \\ &= (8x + 9) + (10x + 13) \\ &= 8x + 9 + 10x + 13 \\ &= 8x + 10x + 9 + 13 \\ &= (8 + 10)x + 9 + 13 \\ &= 18x + 22 \end{aligned}$$

①

$$(-18x + 12) - (15x - 4)$$

②

$$(16x + 16) - (-11x - 7)$$

③

$$(-16x - 5) - (15x + 5)$$

④

$$(11x + 16) - (-x - 6)$$

⑤

$$(-5x + 10) - (7x - 4)$$

⑥

$$(10x - 20) - (-3x + 11)$$

1

$$\begin{aligned}
& (-18x + 12) - (15x - 4) \\
&= (-18x + 12) + (-15x + 4) \\
&= -18x + 12 - 15x + 4 \\
&= -18x - 15x + 12 + 4 \\
&= (-18 - 15)x + 12 + 4 \\
&= -33x + 16
\end{aligned}$$

2

$$\begin{aligned}
& (16x + 16) - (-11x - 7) \\
&= (16x + 16) + (11x + 7) \\
&= 16x + 16 + 11x + 7 \\
&= 16x + 11x + 16 + 7 \\
&= (16 + 11)x + 16 + 7 \\
&= 27x + 23
\end{aligned}$$

3

$$\begin{aligned}
& (-16x - 5) - (15x + 5) \\
&= (-16x - 5) + (-15x - 5) \\
&= -16x - 5 - 15x - 5 \\
&= -16x - 15x - 5 - 5 \\
&= (-16 - 15)x - 5 - 5 \\
&= -31x - 10
\end{aligned}$$

4

$$\begin{aligned}
& (11x + 16) - (-x - 6) \\
&= (11x + 16) + (x + 6) \\
&= 11x + 16 + x + 6 \\
&= 11x + x + 16 + 6 \\
&= (11 + 1)x + 16 + 6 \\
&= 12x + 22
\end{aligned}$$

5

$$\begin{aligned}
& (-5x + 10) - (7x - 4) \\
&= (-5x + 10) + (-7x + 4) \\
&= -5x + 10 - 7x + 4 \\
&= -5x - 7x + 10 + 4 \\
&= (-5 - 7)x + 10 + 4 \\
&= -12x + 14
\end{aligned}$$

6

$$\begin{aligned}
& (10x - 20) - (-3x + 11) \\
&= (10x - 20) + (3x - 11) \\
&= 10x - 20 + 3x - 11 \\
&= 10x + 3x - 20 - 11 \\
&= (10 + 3)x - 20 - 11 \\
&= 13x - 31
\end{aligned}$$

1

$$(-12x + 17) - (4x - 2)$$

2

$$(19x - 14) - (-2x + 8)$$

3

$$(-17x - 14) - (9x + 3)$$

4

$$(-12x + 20) - (13x - 1)$$

5

$$(-5x - 5) - (6x + 18)$$

6

$$(x - 2) - (-20x + 2)$$

1

$$\begin{aligned}
& (-12x + 17) - (4x - 2) \\
&= (-12x + 17) + (-4x + 2) \\
&= -12x + 17 - 4x + 2 \\
&= -12x - 4x + 17 + 2 \\
&= (-12 - 4)x + 17 + 2 \\
&= -16x + 19
\end{aligned}$$

2

$$\begin{aligned}
& (19x - 14) - (-2x + 8) \\
&= (19x - 14) + (2x - 8) \\
&= 19x - 14 + 2x - 8 \\
&= 19x + 2x - 14 - 8 \\
&= (19 + 2)x - 14 - 8 \\
&= 21x - 22
\end{aligned}$$

3

$$\begin{aligned}
& (-17x - 14) - (9x + 3) \\
&= (-17x - 14) + (-9x - 3) \\
&= -17x - 14 - 9x - 3 \\
&= -17x - 9x - 14 - 3 \\
&= (-17 - 9)x - 14 - 3 \\
&= -26x - 17
\end{aligned}$$

4

$$\begin{aligned}
& (-12x + 20) - (13x - 1) \\
&= (-12x + 20) + (-13x + 1) \\
&= -12x + 20 - 13x + 1 \\
&= -12x - 13x + 20 + 1 \\
&= (-12 - 13)x + 20 + 1 \\
&= -25x + 21
\end{aligned}$$

5

$$\begin{aligned}
& (-5x - 5) - (6x + 18) \\
&= (-5x - 5) + (-6x - 18) \\
&= -5x - 5 - 6x - 18 \\
&= -5x - 6x - 5 - 18 \\
&= (-5 - 6)x - 5 - 18 \\
&= -11x - 23
\end{aligned}$$

6

$$\begin{aligned}
& (x - 2) - (-20x + 2) \\
&= (x - 2) + (20x - 2) \\
&= x - 2 + 20x - 2 \\
&= x + 20x - 2 - 2 \\
&= (1 + 20)x - 2 - 2 \\
&= 21x - 4
\end{aligned}$$

①

$$(3x + 8) - (-8x - 19)$$

②

$$(-3x - 13) - (13x + 14)$$

③

$$(8x - 20) - (-2x + 5)$$

④

$$(-2x + 5) - (6x - 10)$$

⑤

$$(18x + 1) - (-2x - 12)$$

⑥

$$(17x + 5) - (-10x - 12)$$

1

$$\begin{aligned}
& (3x + 8) - (-8x - 19) \\
&= (3x + 8) + (8x + 19) \\
&= 3x + 8 + 8x + 19 \\
&= 3x + 8x + 8 + 19 \\
&= (3 + 8)x + 8 + 19 \\
&= 11x + 27
\end{aligned}$$

2

$$\begin{aligned}
& (-3x - 13) - (13x + 14) \\
&= (-3x - 13) + (-13x - 14) \\
&= -3x - 13 - 13x - 14 \\
&= -3x - 13x - 13 - 14 \\
&= (-3 - 13)x - 13 - 14 \\
&= -16x - 27
\end{aligned}$$

3

$$\begin{aligned}
& (8x - 20) - (-2x + 5) \\
&= (8x - 20) + (2x - 5) \\
&= 8x - 20 + 2x - 5 \\
&= 8x + 2x - 20 - 5 \\
&= (8 + 2)x - 20 - 5 \\
&= 10x - 25
\end{aligned}$$

4

$$\begin{aligned}
& (-2x + 5) - (6x - 10) \\
&= (-2x + 5) + (-6x + 10) \\
&= -2x + 5 - 6x + 10 \\
&= -2x - 6x + 5 + 10 \\
&= (-2 - 6)x + 5 + 10 \\
&= -8x + 15
\end{aligned}$$

5

$$\begin{aligned}
& (18x + 1) - (-2x - 12) \\
&= (18x + 1) + (2x + 12) \\
&= 18x + 1 + 2x + 12 \\
&= 18x + 2x + 1 + 12 \\
&= (18 + 2)x + 1 + 12 \\
&= 20x + 13
\end{aligned}$$

6

$$\begin{aligned}
& (17x + 5) - (-10x - 12) \\
&= (17x + 5) + (10x + 12) \\
&= 17x + 5 + 10x + 12 \\
&= 17x + 10x + 5 + 12 \\
&= (17 + 10)x + 5 + 12 \\
&= 27x + 17
\end{aligned}$$

①

$$(20x + 1) - (-10x - 10)$$

②

$$(-x + 2) - (8x - 10)$$

③

$$(11x + 4) - (-19x - 2)$$

④

$$(-10x + 7) - (10x - 1)$$

⑤

$$(-5x + 16) - (10x - 4)$$

⑥

$$(-19x - 9) - (13x + 18)$$

1

$$\begin{aligned}
& (20x + 1) - (-10x - 10) \\
&= (20x + 1) + (10x + 10) \\
&= 20x + 1 + 10x + 10 \\
&= 20x + 10x + 1 + 10 \\
&= (20 + 10)x + 1 + 10 \\
&= 30x + 11
\end{aligned}$$

2

$$\begin{aligned}
& (-x + 2) - (8x - 10) \\
&= (-x + 2) + (-8x + 10) \\
&= -x + 2 - 8x + 10 \\
&= -x - 8x + 2 + 10 \\
&= (-1 - 8)x + 2 + 10 \\
&= -9x + 12
\end{aligned}$$

3

$$\begin{aligned}
& (11x + 4) - (-19x - 2) \\
&= (11x + 4) + (19x + 2) \\
&= 11x + 4 + 19x + 2 \\
&= 11x + 19x + 4 + 2 \\
&= (11 + 19)x + 4 + 2 \\
&= 30x + 6
\end{aligned}$$

4

$$\begin{aligned}
& (-10x + 7) - (10x - 1) \\
&= (-10x + 7) + (-10x + 1) \\
&= -10x + 7 - 10x + 1 \\
&= -10x - 10x + 7 + 1 \\
&= (-10 - 10)x + 7 + 1 \\
&= -20x + 8
\end{aligned}$$

5

$$\begin{aligned}
& (-5x + 16) - (10x - 4) \\
&= (-5x + 16) + (-10x + 4) \\
&= -5x + 16 - 10x + 4 \\
&= -5x - 10x + 16 + 4 \\
&= (-5 - 10)x + 16 + 4 \\
&= -15x + 20
\end{aligned}$$

6

$$\begin{aligned}
& (-19x - 9) - (13x + 18) \\
&= (-19x - 9) + (-13x - 18) \\
&= -19x - 9 - 13x - 18 \\
&= -19x - 13x - 9 - 18 \\
&= (-19 - 13)x - 9 - 18 \\
&= -32x - 27
\end{aligned}$$

①

$$(-16x - 4) - (14x + 14)$$

②

$$(17x - 11) - (-9x + 10)$$

③

$$(6x + 9) - (-18x - 3)$$

④

$$(-10x - 15) - (10x + 4)$$

⑤

$$(-15x - 13) - (5x + 18)$$

⑥

$$(18x + 7) - (-2x - 6)$$

1

$$\begin{aligned}
& (-16x - 4) - (14x + 14) \\
&= (-16x - 4) + (-14x - 14) \\
&= -16x - 4 - 14x - 14 \\
&= -16x - 14x - 4 - 14 \\
&= (-16 - 14)x - 4 - 14 \\
&= -30x - 18
\end{aligned}$$

2

$$\begin{aligned}
& (17x - 11) - (-9x + 10) \\
&= (17x - 11) + (9x - 10) \\
&= 17x - 11 + 9x - 10 \\
&= 17x + 9x - 11 - 10 \\
&= (17 + 9)x - 11 - 10 \\
&= 26x - 21
\end{aligned}$$

3

$$\begin{aligned}
& (6x + 9) - (-18x - 3) \\
&= (6x + 9) + (18x + 3) \\
&= 6x + 9 + 18x + 3 \\
&= 6x + 18x + 9 + 3 \\
&= (6 + 18)x + 9 + 3 \\
&= 24x + 12
\end{aligned}$$

4

$$\begin{aligned}
& (-10x - 15) - (10x + 4) \\
&= (-10x - 15) + (-10x - 4) \\
&= -10x - 15 - 10x - 4 \\
&= -10x - 10x - 15 - 4 \\
&= (-10 - 10)x - 15 - 4 \\
&= -20x - 19
\end{aligned}$$

5

$$\begin{aligned}
& (-15x - 13) - (5x + 18) \\
&= (-15x - 13) + (-5x - 18) \\
&= -15x - 13 - 5x - 18 \\
&= -15x - 5x - 13 - 18 \\
&= (-15 - 5)x - 13 - 18 \\
&= -20x - 31
\end{aligned}$$

6

$$\begin{aligned}
& (18x + 7) - (-2x - 6) \\
&= (18x + 7) + (2x + 6) \\
&= 18x + 7 + 2x + 6 \\
&= 18x + 2x + 7 + 6 \\
&= (18 + 2)x + 7 + 6 \\
&= 20x + 13
\end{aligned}$$

①

$$(-10x - 3) - (9x + 7)$$

②

$$(-3x - 4) - (x + 9)$$

③

$$(-7x - 16) - (x + 2)$$

④

$$(-18x + 14) - (3x - 6)$$

⑤

$$(13x - 12) - (-20x + 15)$$

⑥

$$(4x - 14) - (-x + 20)$$

1

$$\begin{aligned} & (-10x - 3) - (9x + 7) \\ &= (-10x - 3) + (-9x - 7) \\ &= -10x - 3 - 9x - 7 \\ &= -10x - 9x - 3 - 7 \\ &= (-10 - 9)x - 3 - 7 \\ &= -19x - 10 \end{aligned}$$

2

$$\begin{aligned} & (-3x - 4) - (x + 9) \\ &= (-3x - 4) + (-x - 9) \\ &= -3x - 4 - x - 9 \\ &= -3x - x - 4 - 9 \\ &= (-3 - 1)x - 4 - 9 \\ &= -4x - 13 \end{aligned}$$

3

$$\begin{aligned} & (-7x - 16) - (x + 2) \\ &= (-7x - 16) + (-x - 2) \\ &= -7x - 16 - x - 2 \\ &= -7x - x - 16 - 2 \\ &= (-7 - 1)x - 16 - 2 \\ &= -8x - 18 \end{aligned}$$

4

$$\begin{aligned} & (-18x + 14) - (3x - 6) \\ &= (-18x + 14) + (-3x + 6) \\ &= -18x + 14 - 3x + 6 \\ &= -18x - 3x + 14 + 6 \\ &= (-18 - 3)x + 14 + 6 \\ &= -21x + 20 \end{aligned}$$

5

$$\begin{aligned} & (13x - 12) - (-20x + 15) \\ &= (13x - 12) + (20x - 15) \\ &= 13x - 12 + 20x - 15 \\ &= 13x + 20x - 12 - 15 \\ &= (13 + 20)x - 12 - 15 \\ &= 33x - 27 \end{aligned}$$

6

$$\begin{aligned} & (4x - 14) - (-x + 20) \\ &= (4x - 14) + (x - 20) \\ &= 4x - 14 + x - 20 \\ &= 4x + x - 14 - 20 \\ &= (4 + 1)x - 14 - 20 \\ &= 5x - 34 \end{aligned}$$

①

$$(-20x + 10) - (6x - 2)$$

②

$$(3x - 15) - (-15x + 8)$$

③

$$(-7x - 1) - (11x + 20)$$

④

$$(3x + 14) - (-13x - 13)$$

⑤

$$(-9x + 8) - (5x - 18)$$

⑥

$$(x + 9) - (-13x - 18)$$

1

$$\begin{aligned} & (-20x + 10) - (6x - 2) \\ &= (-20x + 10) + (-6x + 2) \\ &= -20x + 10 - 6x + 2 \\ &= -20x - 6x + 10 + 2 \\ &= (-20 - 6)x + 10 + 2 \\ &= -26x + 12 \end{aligned}$$

2

$$\begin{aligned} & (3x - 15) - (-15x + 8) \\ &= (3x - 15) + (15x - 8) \\ &= 3x - 15 + 15x - 8 \\ &= 3x + 15x - 15 - 8 \\ &= (3 + 15)x - 15 - 8 \\ &= 18x - 23 \end{aligned}$$

3

$$\begin{aligned} & (-7x - 1) - (11x + 20) \\ &= (-7x - 1) + (-11x - 20) \\ &= -7x - 1 - 11x - 20 \\ &= -7x - 11x - 1 - 20 \\ &= (-7 - 11)x - 1 - 20 \\ &= -18x - 21 \end{aligned}$$

4

$$\begin{aligned} & (3x + 14) - (-13x - 13) \\ &= (3x + 14) + (13x + 13) \\ &= 3x + 14 + 13x + 13 \\ &= 3x + 13x + 14 + 13 \\ &= (3 + 13)x + 14 + 13 \\ &= 16x + 27 \end{aligned}$$

5

$$\begin{aligned} & (-9x + 8) - (5x - 18) \\ &= (-9x + 8) + (-5x + 18) \\ &= -9x + 8 - 5x + 18 \\ &= -9x - 5x + 8 + 18 \\ &= (-9 - 5)x + 8 + 18 \\ &= -14x + 26 \end{aligned}$$

6

$$\begin{aligned} & (x + 9) - (-13x - 18) \\ &= (x + 9) + (13x + 18) \\ &= x + 9 + 13x + 18 \\ &= x + 13x + 9 + 18 \\ &= (1 + 13)x + 9 + 18 \\ &= 14x + 27 \end{aligned}$$