すきプリ　中学数学

一次方程式の計算【小数】

もくじ

問題

次の方程式を解きましょう。

1

$-1.2x + 1.2 = 0.4x + 4.4$

2

$-2.7x + 1.2 = -1.3x + 6.8$

3

$-3.2x + 1.6 = -1.4x + 7$

1

$$
\begin{aligned}
-1.2x + 1.2 &= 0.4x + 4.4 \\
(-1.2x + 1.2) \times 10 &= (0.4x + 4.4) \times 10 \\
-12x + 12 &= 4x + 44 \\
-12x - 4x &= 44 - 12 \\
-16x &= 32 \\
-16x \div (-16) &= 32 \div (-16) \\
x &= -2
\end{aligned}
$$

2

$$
\begin{aligned}
-2.7x + 1.2 &= -1.3x + 6.8 \\
(-2.7x + 1.2) \times 10 &= (-1.3x + 6.8) \times 10 \\
-27x + 12 &= -13x + 68 \\
-27x + 13x &= 68 - 12 \\
-14x &= 56 \\
-14x \div (-14) &= 56 \div (-14) \\
x &= -4
\end{aligned}
$$

3

$$
\begin{aligned}
-3.2x + 1.6 &= -1.4x + 7 \\
(-3.2x + 1.6) \times 10 &= (-1.4x + 7) \times 10 \\
-32x + 16 &= -14x + 70 \\
-32x + 14x &= 70 - 16 \\
-18x &= 54 \\
-18x \div (-18) &= 54 \div (-18) \\
x &= -3
\end{aligned}
$$

1

$-1.6x - 0.2 = -0.2x - 11.4$

2

$1.6x + 1.1 = 1.4x - 0.5$

3

$2.5x - 1.5 = 1.1x - 7.1$

1

$$
\begin{aligned}
-1.6x - 0.2 &= -0.2x - 11.4 \\
(-1.6x - 0.2) \times 10 &= (-0.2x - 11.4) \times 10 \\
-16x - 2 &= -2x - 114 \\
-16x + 2x &= -114 + 2 \\
-14x &= -112 \\
-14x \div (-14) &= -112 \div (-14) \\
x &= 8
\end{aligned}
$$

2

$$
\begin{aligned}
1.6x + 1.1 &= 1.4x - 0.5 \\
(1.6x + 1.1) \times 10 &= (1.4x - 0.5) \times 10 \\
16x + 11 &= 14x - 5 \\
16x - 14x &= -5 - 11 \\
2x &= -16 \\
2x \div 2 &= -16 \div 2 \\
x &= -8
\end{aligned}
$$

3

$$
\begin{aligned}
2.5x - 1.5 &= 1.1x - 7.1 \\
(2.5x - 1.5) \times 10 &= (1.1x - 7.1) \times 10 \\
25x - 15 &= 11x - 71 \\
25x - 11x &= -71 + 15 \\
14x &= -56 \\
14x \div 14 &= -56 \div 14 \\
x &= -4
\end{aligned}
$$

1

$-3.4x + 1.9 = -1.6x + 18.1$

2

$-x - 0.5 = -1.8x + 5.9$

3

$-2.5x + 0.8 = -1.2x - 3.1$

1

$$
\begin{aligned}
-3.4x + 1.9 &= -1.6x + 18.1 \\
(-3.4x + 1.9) \times 10 &= (-1.6x + 18.1) \times 10 \\
-34x + 19 &= -16x + 181 \\
-34x + 16x &= 181 - 19 \\
-18x &= 162 \\
-18x \div (-18) &= 162 \div (-18) \\
x &= -9
\end{aligned}
$$

2

$$
\begin{aligned}
-x - 0.5 &= -1.8x + 5.9 \\
(-x - 0.5) \times 10 &= (-1.8x + 5.9) \times 10 \\
-10x - 5 &= -18x + 59 \\
-10x + 18x &= 59 + 5 \\
8x &= 64 \\
8x \div 8 &= 64 \div 8 \\
x &= 8
\end{aligned}
$$

3

$$
\begin{aligned}
-2.5x + 0.8 &= -1.2x - 3.1 \\
(-2.5x + 0.8) \times 10 &= (-1.2x - 3.1) \times 10 \\
-25x + 8 &= -12x - 31 \\
-25x + 12x &= -31 - 8 \\
-13x &= -39 \\
-13x \div (-13) &= -39 \div (-13) \\
x &= 3
\end{aligned}
$$

1

$-1.1x - 0.4 = -0.5x - 4.6$

2

$-1.4 = 0.2x$

3

$-1.1x + 1.3 = -0.6x + 2.8$

1

$$
\begin{aligned}
-1.1x - 0.4 &= -0.5x - 4.6 \\
(-1.1x - 0.4) \times 10 &= (-0.5x - 4.6) \times 10 \\
-11x - 4 &= -5x - 46 \\
-11x + 5x &= -46 + 4 \\
-6x &= -42 \\
-6x \div (-6) &= -42 \div (-6) \\
x &= 7
\end{aligned}
$$

2

$$
\begin{aligned}
-1.4 &= 0.2x \\
-1.4 \times 10 &= 0.2x \times 10 \\
-14 &= 2x \\
-2x &= 14 \\
-2x \div (-2) &= 14 \div (-2) \\
x &= -7
\end{aligned}
$$

3

$$
\begin{aligned}
-1.1x + 1.3 &= -0.6x + 2.8 \\
(-1.1x + 1.3) \times 10 &= (-0.6x + 2.8) \times 10 \\
-11x + 13 &= -6x + 28 \\
-11x + 6x &= 28 - 13 \\
-5x &= 15 \\
-5x \div (-5) &= 15 \div (-5) \\
x &= -3
\end{aligned}
$$

1

$-1.3x + 0.2 = -0.2x - 5.3$

2

$-0.2x - 1.6 = -0.8x - 4.6$

3

$-0.6x + 0.3 = -0.4x - 0.1$

1

$$
\begin{aligned}
-1.3x + 0.2 &= -0.2x - 5.3 \\
(-1.3x + 0.2) \times 10 &= (-0.2x - 5.3) \times 10 \\
-13x + 2 &= -2x - 53 \\
-13x + 2x &= -53 - 2 \\
-11x &= -55 \\
-11x \div (-11) &= -55 \div (-11) \\
x &= 5
\end{aligned}
$$

2

$$
\begin{aligned}
-0.2x - 1.6 &= -0.8x - 4.6 \\
(-0.2x - 1.6) \times 10 &= (-0.8x - 4.6) \times 10 \\
-2x - 16 &= -8x - 46 \\
-2x + 8x &= -46 + 16 \\
6x &= -30 \\
6x \div 6 &= -30 \div 6 \\
x &= -5
\end{aligned}
$$

3

$$
\begin{aligned}
-0.6x + 0.3 &= -0.4x - 0.1 \\
(-0.6x + 0.3) \times 10 &= (-0.4x - 0.1) \times 10 \\
-6x + 3 &= -4x - 1 \\
-6x + 4x &= -1 - 3 \\
-2x &= -4 \\
-2x \div (-2) &= -4 \div (-2) \\
x &= 2
\end{aligned}
$$

1

$-0.7x - 0.6 = 0.5x - 6.6$

2

$0.1x - 1.2 = -1.6x + 5.6$

3

$-0.3x - 1.1 = 1.3x - 13.9$

1

$$
\begin{aligned}
-0.7x - 0.6 &= 0.5x - 6.6 \\
(-0.7x - 0.6) \times 10 &= (0.5x - 6.6) \times 10 \\
-7x - 6 &= 5x - 66 \\
-7x - 5x &= -66 + 6 \\
-12x &= -60 \\
-12x \div (-12) &= -60 \div (-12) \\
x &= 5
\end{aligned}
$$

2

$$
\begin{aligned}
0.1x - 1.2 &= -1.6x + 5.6 \\
(0.1x - 1.2) \times 10 &= (-1.6x + 5.6) \times 10 \\
x - 12 &= -16x + 56 \\
x + 16x &= 56 + 12 \\
17x &= 68 \\
17x \div 17 &= 68 \div 17 \\
x &= 4
\end{aligned}
$$

3

$$
\begin{aligned}
-0.3x - 1.1 &= 1.3x - 13.9 \\
(-0.3x - 1.1) \times 10 &= (1.3x - 13.9) \times 10 \\
-3x - 11 &= 13x - 139 \\
-3x - 13x &= -139 + 11 \\
-16x &= -128 \\
-16x \div (-16) &= -128 \div (-16) \\
x &= 8
\end{aligned}
$$

(1)

$0.2x + 0.5 = 1.7x + 14$

(2)

$-0.6x - 1.1 = 1.1x + 14.2$

(3)

$-0.7x + 1.5 = -1.2x + 3$

1

$$
\begin{aligned}
0.2x + 0.5 &= 1.7x + 14 \\
(0.2x + 0.5) \times 10 &= (1.7x + 14) \times 10 \\
2x + 5 &= 17x + 140 \\
2x - 17x &= 140 - 5 \\
-15x &= 135 \\
-15x \div (-15) &= 135 \div (-15) \\
x &= -9
\end{aligned}
$$

2

$$
\begin{aligned}
-0.6x - 1.1 &= 1.1x + 14.2 \\
(-0.6x - 1.1) \times 10 &= (1.1x + 14.2) \times 10 \\
-6x - 11 &= 11x + 142 \\
-6x - 11x &= 142 + 11 \\
-17x &= 153 \\
-17x \div (-17) &= 153 \div (-17) \\
x &= -9
\end{aligned}
$$

3

$$
\begin{aligned}
-0.7x + 1.5 &= -1.2x + 3 \\
(-0.7x + 1.5) \times 10 &= (-1.2x + 3) \times 10 \\
-7x + 15 &= -12x + 30 \\
-7x + 12x &= 30 - 15 \\
5x &= 15 \\
5x \div 5 &= 15 \div 5 \\
x &= 3
\end{aligned}
$$

1

$0.4x + 1.7 = 1.2x + 8.9$

2

$-2.5x - 1.7 = -0.8x + 13.6$

3

$0.7x - 0.3 = 0.1x - 1.5$

1

$$
\begin{aligned}
0.4x + 1.7 &= 1.2x + 8.9 \\
(0.4x + 1.7) \times 10 &= (1.2x + 8.9) \times 10 \\
4x + 17 &= 12x + 89 \\
4x - 12x &= 89 - 17 \\
-8x &= 72 \\
-8x \div (-8) &= 72 \div (-8) \\
x &= -9
\end{aligned}
$$

2

$$
\begin{aligned}
-2.5x - 1.7 &= -0.8x + 13.6 \\
(-2.5x - 1.7) \times 10 &= (-0.8x + 13.6) \times 10 \\
-25x - 17 &= -8x + 136 \\
-25x + 8x &= 136 + 17 \\
-17x &= 153 \\
-17x \div (-17) &= 153 \div (-17) \\
x &= -9
\end{aligned}
$$

3

$$
\begin{aligned}
0.7x - 0.3 &= 0.1x - 1.5 \\
(0.7x - 0.3) \times 10 &= (0.1x - 1.5) \times 10 \\
7x - 3 &= x - 15 \\
7x - x &= -15 + 3 \\
6x &= -12 \\
6x \div 6 &= -12 \div 6 \\
x &= -2
\end{aligned}
$$

(1)

$1.3x - 0.9 = 1.1x - 0.5$

(2)

$-1.5x + 0.7 = -0.2x + 2$

(3)

$0.4x + 0.3 = 1.8x - 10.9$

1

$$
\begin{aligned}
1.3x - 0.9 &= 1.1x - 0.5 \\
(1.3x - 0.9) \times 10 &= (1.1x - 0.5) \times 10 \\
13x - 9 &= 11x - 5 \\
13x - 11x &= -5 + 9 \\
2x &= 4 \\
2x \div 2 &= 4 \div 2 \\
x &= 2
\end{aligned}
$$

2

$$
\begin{aligned}
-1.5x + 0.7 &= -0.2x + 2 \\
(-1.5x + 0.7) \times 10 &= (-0.2x + 2) \times 10 \\
-15x + 7 &= -2x + 20 \\
-15x + 2x &= 20 - 7 \\
-13x &= 13 \\
-13x \div (-13) &= 13 \div (-13) \\
x &= -1
\end{aligned}
$$

3

$$
\begin{aligned}
0.4x + 0.3 &= 1.8x - 10.9 \\
(0.4x + 0.3) \times 10 &= (1.8x - 10.9) \times 10 \\
4x + 3 &= 18x - 109 \\
4x - 18x &= -109 - 3 \\
-14x &= -112 \\
-14x \div (-14) &= -112 \div (-14) \\
x &= 8
\end{aligned}
$$

1

$-1.5 = -0.7x + 4.1$

2

$1.4x - 1.1 = 0.8x + 1.9$

3

$-1.5x - 0.7 = 0.1x + 4.1$

1

$$
\begin{aligned}
-1.5 &= -0.7x + 4.1 \\
-1.5 \times 10 &= (-0.7x + 4.1) \times 10 \\
-15 &= -7x + 41 \\
7x &= 41 + 15 \\
7x &= 56 \\
7x \div 7 &= 56 \div 7 \\
x &= 8
\end{aligned}
$$

2

$$
\begin{aligned}
1.4x - 1.1 &= 0.8x + 1.9 \\
(1.4x - 1.1) \times 10 &= (0.8x + 1.9) \times 10 \\
14x - 11 &= 8x + 19 \\
14x - 8x &= 19 + 11 \\
6x &= 30 \\
6x \div 6 &= 30 \div 6 \\
x &= 5
\end{aligned}
$$

3

$$
\begin{aligned}
-1.5x - 0.7 &= 0.1x + 4.1 \\
(-1.5x - 0.7) \times 10 &= (0.1x + 4.1) \times 10 \\
-15x - 7 &= x + 41 \\
-15x - x &= 41 + 7 \\
-16x &= 48 \\
-16x \div (-16) &= 48 \div (-16) \\
x &= -3
\end{aligned}
$$

1

$-0.1x - 0.1 = -0.9x - 0.9$

2

$1.7x + 0.8 = 1.4x + 2$

3

$2.9x - 1.5 = 1.4x - 3$

1

$$
\begin{aligned}
-0.1x - 0.1 &= -0.9x - 0.9 \\
(-0.1x - 0.1) \times 10 &= (-0.9x - 0.9) \times 10 \\
-x - 1 &= -9x - 9 \\
-x + 9x &= -9 + 1 \\
8x &= -8 \\
8x \div 8 &= -8 \div 8 \\
x &= -1
\end{aligned}
$$

2

$$
\begin{aligned}
1.7x + 0.8 &= 1.4x + 2 \\
(1.7x + 0.8) \times 10 &= (1.4x + 2) \times 10 \\
17x + 8 &= 14x + 20 \\
17x - 14x &= 20 - 8 \\
3x &= 12 \\
3x \div 3 &= 12 \div 3 \\
x &= 4
\end{aligned}
$$

3

$$
\begin{aligned}
2.9x - 1.5 &= 1.4x - 3 \\
(2.9x - 1.5) \times 10 &= (1.4x - 3) \times 10 \\
29x - 15 &= 14x - 30 \\
29x - 14x &= -30 + 15 \\
15x &= -15 \\
15x \div 15 &= -15 \div 15 \\
x &= -1
\end{aligned}
$$

(1)

$0.8x + 0.2 = 1.5x + 2.3$

(2)

$1.8x + 1.9 = 1.1x + 6.1$

(3)

$0.4x + 0.3 = -1.1x - 2.7$

1

$$
\begin{aligned}
0.8x + 0.2 &= 1.5x + 2.3 \\
(0.8x + 0.2) \times 10 &= (1.5x + 2.3) \times 10 \\
8x + 2 &= 15x + 23 \\
8x - 15x &= 23 - 2 \\
-7x &= 21 \\
-7x \div (-7) &= 21 \div (-7) \\
x &= -3
\end{aligned}
$$

2

$$
\begin{aligned}
1.8x + 1.9 &= 1.1x + 6.1 \\
(1.8x + 1.9) \times 10 &= (1.1x + 6.1) \times 10 \\
18x + 19 &= 11x + 61 \\
18x - 11x &= 61 - 19 \\
7x &= 42 \\
7x \div 7 &= 42 \div 7 \\
x &= 6
\end{aligned}
$$

3

$$
\begin{aligned}
0.4x + 0.3 &= -1.1x - 2.7 \\
(0.4x + 0.3) \times 10 &= (-1.1x - 2.7) \times 10 \\
4x + 3 &= -11x - 27 \\
4x + 11x &= -27 - 3 \\
15x &= -30 \\
15x \div 15 &= -30 \div 15 \\
x &= -2
\end{aligned}
$$

1

$1.7x - 1.8 = 1.8x - 1.1$

2

$1.5x + 1.6 = 1.2x + 4.3$

3

$2.2x + 1.7 = 0.9x - 3.5$

1

$$
\begin{aligned}
1.7x - 1.8 &= 1.8x - 1.1 \\
(1.7x - 1.8) \times 10 &= (1.8x - 1.1) \times 10 \\
17x - 18 &= 18x - 11 \\
17x - 18x &= -11 + 18 \\
-x &= 7 \\
-x \div (-1) &= 7 \div (-1) \\
x &= -7
\end{aligned}
$$

2

$$
\begin{aligned}
1.5x + 1.6 &= 1.2x + 4.3 \\
(1.5x + 1.6) \times 10 &= (1.2x + 4.3) \times 10 \\
15x + 16 &= 12x + 43 \\
15x - 12x &= 43 - 16 \\
3x &= 27 \\
3x \div 3 &= 27 \div 3 \\
x &= 9
\end{aligned}
$$

3

$$
\begin{aligned}
2.2x + 1.7 &= 0.9x - 3.5 \\
(2.2x + 1.7) \times 10 &= (0.9x - 3.5) \times 10 \\
22x + 17 &= 9x - 35 \\
22x - 9x &= -35 - 17 \\
13x &= -52 \\
13x \div 13 &= -52 \div 13 \\
x &= -4
\end{aligned}
$$

(1)

$2.9x + 0.8 = 1.3x + 12$

(2)

$-3.1x + 0.2 = -1.2x - 15$

(3)

$-0.8x - 1.2 = 0.9x + 2.2$

1

$$
\begin{aligned}
2.9x + 0.8 &= 1.3x + 12 \\
(2.9x + 0.8) \times 10 &= (1.3x + 12) \times 10 \\
29x + 8 &= 13x + 120 \\
29x - 13x &= 120 - 8 \\
16x &= 112 \\
16x \div 16 &= 112 \div 16 \\
x &= 7
\end{aligned}
$$

2

$$
\begin{aligned}
-3.1x + 0.2 &= -1.2x - 15 \\
(-3.1x + 0.2) \times 10 &= (-1.2x - 15) \times 10 \\
-31x + 2 &= -12x - 150 \\
-31x + 12x &= -150 - 2 \\
-19x &= -152 \\
-19x \div (-19) &= -152 \div (-19) \\
x &= 8
\end{aligned}
$$

3

$$
\begin{aligned}
-0.8x - 1.2 &= 0.9x + 2.2 \\
(-0.8x - 1.2) \times 10 &= (0.9x + 2.2) \times 10 \\
-8x - 12 &= 9x + 22 \\
-8x - 9x &= 22 + 12 \\
-17x &= 34 \\
-17x \div (-17) &= 34 \div (-17) \\
x &= -2
\end{aligned}
$$

問題

次の方程式を解きましょう。

1

$0.5x - 0.53 = 0.68x + 0.19$

2

$0.88x + 0.63 = 0.26x + 1.25$

3

$0.39x + 0.69 = 0.23x + 1.97$

1

$$
\begin{aligned}
0.5x - 0.53 &= 0.68x + 0.19 \\
(0.5x - 0.53) \times 100 &= (0.68x + 0.19) \times 100 \\
50x - 53 &= 68x + 19 \\
50x - 68x &= 19 + 53 \\
-18x &= 72 \\
-18x \div (-18) &= 72 \div (-18) \\
x &= -4
\end{aligned}
$$

2

$$
\begin{aligned}
0.88x + 0.63 &= 0.26x + 1.25 \\
(0.88x + 0.63) \times 100 &= (0.26x + 1.25) \times 100 \\
88x + 63 &= 26x + 125 \\
88x - 26x &= 125 - 63 \\
62x &= 62 \\
62x \div 62 &= 62 \div 62 \\
x &= 1
\end{aligned}
$$

3

$$
\begin{aligned}
0.39x + 0.69 &= 0.23x + 1.97 \\
(0.39x + 0.69) \times 100 &= (0.23x + 1.97) \times 100 \\
39x + 69 &= 23x + 197 \\
39x - 23x &= 197 - 69 \\
16x &= 128 \\
16x \div 16 &= 128 \div 16 \\
x &= 8
\end{aligned}
$$

1

$0.5x - 0.15 = 0.76x + 0.11$

2

$0.84x - 0.49 = 0.49x + 0.21$

3

$-1.58x - 0.58 = -0.99x + 0.6$

1

$$
\begin{aligned}
0.5x - 0.15 &= 0.76x + 0.11 \\
(0.5x - 0.15) \times 100 &= (0.76x + 0.11) \times 100 \\
50x - 15 &= 76x + 11 \\
50x - 76x &= 11 + 15 \\
-26x &= 26 \\
-26x \div (-26) &= 26 \div (-26) \\
x &= -1
\end{aligned}
$$

2

$$
\begin{aligned}
0.84x - 0.49 &= 0.49x + 0.21 \\
(0.84x - 0.49) \times 100 &= (0.49x + 0.21) \times 100 \\
84x - 49 &= 49x + 21 \\
84x - 49x &= 21 + 49 \\
35x &= 70 \\
35x \div 35 &= 70 \div 35 \\
x &= 2
\end{aligned}
$$

3

$$
\begin{aligned}
-1.58x - 0.58 &= -0.99x + 0.6 \\
(-1.58x - 0.58) \times 100 &= (-0.99x + 0.6) \times 100 \\
-158x - 58 &= -99x + 60 \\
-158x + 99x &= 60 + 58 \\
-59x &= 118 \\
-59x \div (-59) &= 118 \div (-59) \\
x &= -2
\end{aligned}
$$

1

$-0.23x - 0.38 = 0.51x - 6.3$

2

$0.85x + 0.58 = 0.01x + 1.42$

3

$0.87x - 0.65 = 0.31x - 5.69$

1

$$
\begin{aligned}
-0.23x - 0.38 &= 0.51x - 6.3 \\
(-0.23x - 0.38) \times 100 &= (0.51x - 6.3) \times 100 \\
-23x - 38 &= 51x - 630 \\
-23x - 51x &= -630 + 38 \\
-74x &= -592 \\
-74x \div (-74) &= -592 \div (-74) \\
x &= 8
\end{aligned}
$$

2

$$
\begin{aligned}
0.85x + 0.58 &= 0.01x + 1.42 \\
(0.85x + 0.58) \times 100 &= (0.01x + 1.42) \times 100 \\
85x + 58 &= x + 142 \\
85x - x &= 142 - 58 \\
84x &= 84 \\
84x \div 84 &= 84 \div 84 \\
x &= 1
\end{aligned}
$$

3

$$
\begin{aligned}
0.87x - 0.65 &= 0.31x - 5.69 \\
(0.87x - 0.65) \times 100 &= (0.31x - 5.69) \times 100 \\
87x - 65 &= 31x - 569 \\
87x - 31x &= -569 + 65 \\
56x &= -504 \\
56x \div 56 &= -504 \div 56 \\
x &= -9
\end{aligned}
$$

1

$0.79x + 0.15 = 0.51x - 0.97$

2

$1.24x + 0.26 = 0.75x + 1.24$

3

$0.11x - 0.38 = 0.78x + 2.3$

1

$$
\begin{aligned}
0.79x + 0.15 &= 0.51x - 0.97 \\
(0.79x + 0.15) \times 100 &= (0.51x - 0.97) \times 100 \\
79x + 15 &= 51x - 97 \\
79x - 51x &= -97 - 15 \\
28x &= -112 \\
28x \div 28 &= -112 \div 28 \\
x &= -4
\end{aligned}
$$

2

$$
\begin{aligned}
1.24x + 0.26 &= 0.75x + 1.24 \\
(1.24x + 0.26) \times 100 &= (0.75x + 1.24) \times 100 \\
124x + 26 &= 75x + 124 \\
124x - 75x &= 124 - 26 \\
49x &= 98 \\
49x \div 49 &= 98 \div 49 \\
x &= 2
\end{aligned}
$$

3

$$
\begin{aligned}
0.11x - 0.38 &= 0.78x + 2.3 \\
(0.11x - 0.38) \times 100 &= (0.78x + 2.3) \times 100 \\
11x - 38 &= 78x + 230 \\
11x - 78x &= 230 + 38 \\
-67x &= 268 \\
-67x \div (-67) &= 268 \div (-67) \\
x &= -4
\end{aligned}
$$

1

$-1.14x - 0.56 = -0.22x - 3.32$

2

$-0.2x - 0.96 = 0.38x - 5.02$

3

$-0.81x + 0.16 = -0.56x + 2.41$

1

$$
\begin{aligned}
-1.14x - 0.56 &= -0.22x - 3.32 \\
(-1.14x - 0.56) \times 100 &= (-0.22x - 3.32) \times 100 \\
-114x - 56 &= -22x - 332 \\
-114x + 22x &= -332 + 56 \\
-92x &= -276 \\
-92x \div (-92) &= -276 \div (-92) \\
x &= 3
\end{aligned}
$$

2

$$
\begin{aligned}
-0.2x - 0.96 &= 0.38x - 5.02 \\
(-0.2x - 0.96) \times 100 &= (0.38x - 5.02) \times 100 \\
-20x - 96 &= 38x - 502 \\
-20x - 38x &= -502 + 96 \\
-58x &= -406 \\
-58x \div (-58) &= -406 \div (-58) \\
x &= 7
\end{aligned}
$$

3

$$
\begin{aligned}
-0.81x + 0.16 &= -0.56x + 2.41 \\
(-0.81x + 0.16) \times 100 &= (-0.56x + 2.41) \times 100 \\
-81x + 16 &= -56x + 241 \\
-81x + 56x &= 241 - 16 \\
-25x &= 225 \\
-25x \div (-25) &= 225 \div (-25) \\
x &= -9
\end{aligned}
$$

1

$-0.88x + 0.15 = -0.06x + 5.07$

2

$0.79x + 0.44 = 0.61x - 0.46$

3

$1.27x + 0.77 = 0.69x + 5.99$

1

$$
\begin{aligned}
-0.88x + 0.15 &= -0.06x + 5.07 \\
(-0.88x + 0.15) \times 100 &= (-0.06x + 5.07) \times 100 \\
-88x + 15 &= -6x + 507 \\
-88x + 6x &= 507 - 15 \\
-82x &= 492 \\
-82x \div (-82) &= 492 \div (-82) \\
x &= -6
\end{aligned}
$$

2

$$
\begin{aligned}
0.79x + 0.44 &= 0.61x - 0.46 \\
(0.79x + 0.44) \times 100 &= (0.61x - 0.46) \times 100 \\
79x + 44 &= 61x - 46 \\
79x - 61x &= -46 - 44 \\
18x &= -90 \\
18x \div 18 &= -90 \div 18 \\
x &= -5
\end{aligned}
$$

3

$$
\begin{aligned}
1.27x + 0.77 &= 0.69x + 5.99 \\
(1.27x + 0.77) \times 100 &= (0.69x + 5.99) \times 100 \\
127x + 77 &= 69x + 599 \\
127x - 69x &= 599 - 77 \\
58x &= 522 \\
58x \div 58 &= 522 \div 58 \\
x &= 9
\end{aligned}
$$

1

$1.19x - 0.26 = 0.31x + 2.38$

2

$-0.58x - 0.25 = -0.51x - 0.39$

3

$0.78x - 0.43 = -0.16x - 7.01$

1

$$
\begin{aligned}
1.19x - 0.26 &= 0.31x + 2.38 \\
(1.19x - 0.26) \times 100 &= (0.31x + 2.38) \times 100 \\
119x - 26 &= 31x + 238 \\
119x - 31x &= 238 + 26 \\
88x &= 264 \\
88x \div 88 &= 264 \div 88 \\
x &= 3
\end{aligned}
$$

2

$$
\begin{aligned}
-0.58x - 0.25 &= -0.51x - 0.39 \\
(-0.58x - 0.25) \times 100 &= (-0.51x - 0.39) \times 100 \\
-58x - 25 &= -51x - 39 \\
-58x + 51x &= -39 + 25 \\
-7x &= -14 \\
-7x \div (-7) &= -14 \div (-7) \\
x &= 2
\end{aligned}
$$

3

$$
\begin{aligned}
0.78x - 0.43 &= -0.16x - 7.01 \\
(0.78x - 0.43) \times 100 &= (-0.16x - 7.01) \times 100 \\
78x - 43 &= -16x - 701 \\
78x + 16x &= -701 + 43 \\
94x &= -658 \\
94x \div 94 &= -658 \div 94 \\
x &= -7
\end{aligned}
$$

1

$-1.17x + 0.19 = -0.98x - 0.57$

2

$0.48x - 0.77 = 0.49x - 0.79$

3

$-0.73x - 0.71 = -0.18x + 1.49$

1

$$
\begin{aligned}
-1.17x + 0.19 &= -0.98x - 0.57 \\
(-1.17x + 0.19) \times 100 &= (-0.98x - 0.57) \times 100 \\
-117x + 19 &= -98x - 57 \\
-117x + 98x &= -57 - 19 \\
-19x &= -76 \\
-19x \div (-19) &= -76 \div (-19) \\
x &= 4
\end{aligned}
$$

2

$$
\begin{aligned}
0.48x - 0.77 &= 0.49x - 0.79 \\
(0.48x - 0.77) \times 100 &= (0.49x - 0.79) \times 100 \\
48x - 77 &= 49x - 79 \\
48x - 49x &= -79 + 77 \\
-x &= -2 \\
-x \div (-1) &= -2 \div (-1) \\
x &= 2
\end{aligned}
$$

3

$$
\begin{aligned}
-0.73x - 0.71 &= -0.18x + 1.49 \\
(-0.73x - 0.71) \times 100 &= (-0.18x + 1.49) \times 100 \\
-73x - 71 &= -18x + 149 \\
-73x + 18x &= 149 + 71 \\
-55x &= 220 \\
-55x \div (-55) &= 220 \div (-55) \\
x &= -4
\end{aligned}
$$

1

$1.1x + 0.03 = 0.81x - 0.26$

2

$0.08x - 0.57 = 0.54x - 1.03$

3

$0.01x + 0.07 = -0.36x - 1.78$

1

$$
\begin{aligned}
1.1x + 0.03 &= 0.81x - 0.26 \\
(1.1x + 0.03) \times 100 &= (0.81x - 0.26) \times 100 \\
110x + 3 &= 81x - 26 \\
110x - 81x &= -26 - 3 \\
29x &= -29 \\
29x \div 29 &= -29 \div 29 \\
x &= -1
\end{aligned}
$$

2

$$
\begin{aligned}
0.08x - 0.57 &= 0.54x - 1.03 \\
(0.08x - 0.57) \times 100 &= (0.54x - 1.03) \times 100 \\
8x - 57 &= 54x - 103 \\
8x - 54x &= -103 + 57 \\
-46x &= -46 \\
-46x \div (-46) &= -46 \div (-46) \\
x &= 1
\end{aligned}
$$

3

$$
\begin{aligned}
0.01x + 0.07 &= -0.36x - 1.78 \\
(0.01x + 0.07) \times 100 &= (-0.36x - 1.78) \times 100 \\
x + 7 &= -36x - 178 \\
x + 36x &= -178 - 7 \\
37x &= -185 \\
37x \div 37 &= -185 \div 37 \\
x &= -5
\end{aligned}
$$

1

$0.86x - 0.38 = 0.21x - 3.63$

2

$-0.07x + 0.06 = -0.92x - 2.49$

3

$-0.04x - 0.54 = 0.92x - 4.38$

1

$$
\begin{aligned}
0.86x - 0.38 &= 0.21x - 3.63 \\
(0.86x - 0.38) \times 100 &= (0.21x - 3.63) \times 100 \\
86x - 38 &= 21x - 363 \\
86x - 21x &= -363 + 38 \\
65x &= -325 \\
65x \div 65 &= -325 \div 65 \\
x &= -5
\end{aligned}
$$

2

$$
\begin{aligned}
-0.07x + 0.06 &= -0.92x - 2.49 \\
(-0.07x + 0.06) \times 100 &= (-0.92x - 2.49) \times 100 \\
-7x + 6 &= -92x - 249 \\
-7x + 92x &= -249 - 6 \\
85x &= -255 \\
85x \div 85 &= -255 \div 85 \\
x &= -3
\end{aligned}
$$

3

$$
\begin{aligned}
-0.04x - 0.54 &= 0.92x - 4.38 \\
(-0.04x - 0.54) \times 100 &= (0.92x - 4.38) \times 100 \\
-4x - 54 &= 92x - 438 \\
-4x - 92x &= -438 + 54 \\
-96x &= -384 \\
-96x \div (-96) &= -384 \div (-96) \\
x &= 4
\end{aligned}
$$

1

$0.73x + 0.46 = 0.84x + 1.23$

2

$1.24x - 0.19 = 0.97x + 0.35$

3

$-0.31x + 0.76 = 0.17x - 1.64$

1

$$
\begin{aligned}
0.73x + 0.46 &= 0.84x + 1.23 \\
(0.73x + 0.46) \times 100 &= (0.84x + 1.23) \times 100 \\
73x + 46 &= 84x + 123 \\
73x - 84x &= 123 - 46 \\
-11x &= 77 \\
-11x \div (-11) &= 77 \div (-11) \\
x &= -7
\end{aligned}
$$

2

$$
\begin{aligned}
1.24x - 0.19 &= 0.97x + 0.35 \\
(1.24x - 0.19) \times 100 &= (0.97x + 0.35) \times 100 \\
124x - 19 &= 97x + 35 \\
124x - 97x &= 35 + 19 \\
27x &= 54 \\
27x \div 27 &= 54 \div 27 \\
x &= 2
\end{aligned}
$$

3

$$
\begin{aligned}
-0.31x + 0.76 &= 0.17x - 1.64 \\
(-0.31x + 0.76) \times 100 &= (0.17x - 1.64) \times 100 \\
-31x + 76 &= 17x - 164 \\
-31x - 17x &= -164 - 76 \\
-48x &= -240 \\
-48x \div (-48) &= -240 \div (-48) \\
x &= 5
\end{aligned}
$$

1

$0.96x - 0.54 = 0.17x + 2.62$

2

$-0.56x - 0.58 = -0.35x + 0.05$

3

$0.44x - 0.23 = -0.25x + 1.15$

1

$$
\begin{aligned}
0.96x - 0.54 &= 0.17x + 2.62 \\
(0.96x - 0.54) \times 100 &= (0.17x + 2.62) \times 100 \\
96x - 54 &= 17x + 262 \\
96x - 17x &= 262 + 54 \\
79x &= 316 \\
79x \div 79 &= 316 \div 79 \\
x &= 4
\end{aligned}
$$

2

$$
\begin{aligned}
-0.56x - 0.58 &= -0.35x + 0.05 \\
(-0.56x - 0.58) \times 100 &= (-0.35x + 0.05) \times 100 \\
-56x - 58 &= -35x + 5 \\
-56x + 35x &= 5 + 58 \\
-21x &= 63 \\
-21x \div (-21) &= 63 \div (-21) \\
x &= -3
\end{aligned}
$$

3

$$
\begin{aligned}
0.44x - 0.23 &= -0.25x + 1.15 \\
(0.44x - 0.23) \times 100 &= (-0.25x + 1.15) \times 100 \\
44x - 23 &= -25x + 115 \\
44x + 25x &= 115 + 23 \\
69x &= 138 \\
69x \div 69 &= 138 \div 69 \\
x &= 2
\end{aligned}
$$

1

$-0.37x - 0.65 = -0.41x - 0.89$

2

$-0.4x - 0.17 = -0.11x + 2.15$

3

$0.56x + 0.73 = 0.48x + 1.21$

1

$$
\begin{aligned}
-0.37x - 0.65 &= -0.41x - 0.89 \\
(-0.37x - 0.65) \times 100 &= (-0.41x - 0.89) \times 100 \\
-37x - 65 &= -41x - 89 \\
-37x + 41x &= -89 + 65 \\
4x &= -24 \\
4x \div 4 &= -24 \div 4 \\
x &= -6
\end{aligned}
$$

2

$$
\begin{aligned}
-0.4x - 0.17 &= -0.11x + 2.15 \\
(-0.4x - 0.17) \times 100 &= (-0.11x + 2.15) \times 100 \\
-40x - 17 &= -11x + 215 \\
-40x + 11x &= 215 + 17 \\
-29x &= 232 \\
-29x \div (-29) &= 232 \div (-29) \\
x &= -8
\end{aligned}
$$

3

$$
\begin{aligned}
0.56x + 0.73 &= 0.48x + 1.21 \\
(0.56x + 0.73) \times 100 &= (0.48x + 1.21) \times 100 \\
56x + 73 &= 48x + 121 \\
56x - 48x &= 121 - 73 \\
8x &= 48 \\
8x \div 8 &= 48 \div 8 \\
x &= 6
\end{aligned}
$$

1

$0.42x + 0.93 = 0.29x + 0.28$

2

$-0.17x + 0.67 = -0.83x - 3.95$

3

$-1.36x + 0.57 = -0.55x - 5.91$

1

$$
\begin{aligned}
0.42x + 0.93 &= 0.29x + 0.28 \\
(0.42x + 0.93) \times 100 &= (0.29x + 0.28) \times 100 \\
42x + 93 &= 29x + 28 \\
42x - 29x &= 28 - 93 \\
13x &= -65 \\
13x \div 13 &= -65 \div 13 \\
x &= -5
\end{aligned}
$$

2

$$
\begin{aligned}
-0.17x + 0.67 &= -0.83x - 3.95 \\
(-0.17x + 0.67) \times 100 &= (-0.83x - 3.95) \times 100 \\
-17x + 67 &= -83x - 395 \\
-17x + 83x &= -395 - 67 \\
66x &= -462 \\
66x \div 66 &= -462 \div 66 \\
x &= -7
\end{aligned}
$$

3

$$
\begin{aligned}
-1.36x + 0.57 &= -0.55x - 5.91 \\
(-1.36x + 0.57) \times 100 &= (-0.55x - 5.91) \times 100 \\
-136x + 57 &= -55x - 591 \\
-136x + 55x &= -591 - 57 \\
-81x &= -648 \\
-81x \div (-81) &= -648 \div (-81) \\
x &= 8
\end{aligned}
$$

問題

次の方程式を解きましょう。

1

$-1.2x - 0.3 = 0.2x + 2.5$

2

$-3.1x - 0.6 = -1.4x + 11.3$

3

$-0.4x - 0.31 = 0.51x + 0.6$

1

$$
\begin{aligned}
-1.2x - 0.3 &= 0.2x + 2.5 \\
(-1.2x - 0.3) \times 10 &= (0.2x + 2.5) \times 10 \\
-12x - 3 &= 2x + 25 \\
-12x - 2x &= 25 + 3 \\
-14x &= 28 \\
-14x \div (-14) &= 28 \div (-14) \\
x &= -2
\end{aligned}
$$

2

$$
\begin{aligned}
-3.1x - 0.6 &= -1.4x + 11.3 \\
(-3.1x - 0.6) \times 10 &= (-1.4x + 11.3) \times 10 \\
-31x - 6 &= -14x + 113 \\
-31x + 14x &= 113 + 6 \\
-17x &= 119 \\
-17x \div (-17) &= 119 \div (-17) \\
x &= -7
\end{aligned}
$$

3

$$
\begin{aligned}
-0.4x - 0.31 &= 0.51x + 0.6 \\
(-0.4x - 0.31) \times 100 &= (0.51x + 0.6) \times 100 \\
-40x - 31 &= 51x + 60 \\
-40x - 51x &= 60 + 31 \\
-91x &= 91 \\
-91x \div (-91) &= 91 \div (-91) \\
x &= -1
\end{aligned}
$$

1

$1.04x + 0.09 = 0.91x + 0.22$

2

$0.2x + 0.6 = -1.6x + 11.4$

3

$-2.8x - 1.8 = -1.9x - 2.7$

1

$$
\begin{aligned}
1.04x + 0.09 &= 0.91x + 0.22 \\
(1.04x + 0.09) \times 100 &= (0.91x + 0.22) \times 100 \\
104x + 9 &= 91x + 22 \\
104x - 91x &= 22 - 9 \\
13x &= 13 \\
13x \div 13 &= 13 \div 13 \\
x &= 1
\end{aligned}
$$

2

$$
\begin{aligned}
0.2x + 0.6 &= -1.6x + 11.4 \\
(0.2x + 0.6) \times 10 &= (-1.6x + 11.4) \times 10 \\
2x + 6 &= -16x + 114 \\
2x + 16x &= 114 - 6 \\
18x &= 108 \\
18x \div 18 &= 108 \div 18 \\
x &= 6
\end{aligned}
$$

3

$$
\begin{aligned}
-2.8x - 1.8 &= -1.9x - 2.7 \\
(-2.8x - 1.8) \times 10 &= (-1.9x - 2.7) \times 10 \\
-28x - 18 &= -19x - 27 \\
-28x + 19x &= -27 + 18 \\
-9x &= -9 \\
-9x \div (-9) &= -9 \div (-9) \\
x &= 1
\end{aligned}
$$

1

$0.81x + 0.17 = -0.11x - 3.51$

2

$3x - 0.7 = 1.5x + 0.8$

3

$0.78x + 0.11 = -0.11x + 8.12$

1

$$
\begin{aligned}
0.81x + 0.17 &= -0.11x - 3.51 \\
(0.81x + 0.17) \times 100 &= (-0.11x - 3.51) \times 100 \\
81x + 17 &= -11x - 351 \\
81x + 11x &= -351 - 17 \\
92x &= -368 \\
92x \div 92 &= -368 \div 92 \\
x &= -4
\end{aligned}
$$

2

$$
\begin{aligned}
3x - 0.7 &= 1.5x + 0.8 \\
(3x - 0.7) \times 10 &= (1.5x + 0.8) \times 10 \\
30x - 7 &= 15x + 8 \\
30x - 15x &= 8 + 7 \\
15x &= 15 \\
15x \div 15 &= 15 \div 15 \\
x &= 1
\end{aligned}
$$

3

$$
\begin{aligned}
0.78x + 0.11 &= -0.11x + 8.12 \\
(0.78x + 0.11) \times 100 &= (-0.11x + 8.12) \times 100 \\
78x + 11 &= -11x + 812 \\
78x + 11x &= 812 - 11 \\
89x &= 801 \\
89x \div 89 &= 801 \div 89 \\
x &= 9
\end{aligned}
$$

1

$-2x + 0.9 = -1.9x + 0.2$

2

$x + 0.2 = 0.8x + 1.6$

3

$0.63x - 0.34 = 0.09x - 2.5$

1

$$
\begin{aligned}
-2x + 0.9 &= -1.9x + 0.2 \\
(-2x + 0.9) \times 10 &= (-1.9x + 0.2) \times 10 \\
-20x + 9 &= -19x + 2 \\
-20x + 19x &= 2 - 9 \\
-x &= -7 \\
-x \div (-1) &= -7 \div (-1) \\
x &= 7
\end{aligned}
$$

2

$$
\begin{aligned}
x + 0.2 &= 0.8x + 1.6 \\
(x + 0.2) \times 10 &= (0.8x + 1.6) \times 10 \\
10x + 2 &= 8x + 16 \\
10x - 8x &= 16 - 2 \\
2x &= 14 \\
2x \div 2 &= 14 \div 2 \\
x &= 7
\end{aligned}
$$

3

$$
\begin{aligned}
0.63x - 0.34 &= 0.09x - 2.5 \\
(0.63x - 0.34) \times 100 &= (0.09x - 2.5) \times 100 \\
63x - 34 &= 9x - 250 \\
63x - 9x &= -250 + 34 \\
54x &= -216 \\
54x \div 54 &= -216 \div 54 \\
x &= -4
\end{aligned}
$$

1

$2.6x - 0.9 = 1.8x - 7.3$

2

$0.48x - 0.71 = -0.28x + 5.37$

3

$-0.7x - 1.9 = -1.9x + 7.7$

1

$$
\begin{aligned}
2.6x - 0.9 &= 1.8x - 7.3 \\
(2.6x - 0.9) \times 10 &= (1.8x - 7.3) \times 10 \\
26x - 9 &= 18x - 73 \\
26x - 18x &= -73 + 9 \\
8x &= -64 \\
8x \div 8 &= -64 \div 8 \\
x &= -8
\end{aligned}
$$

2

$$
\begin{aligned}
0.48x - 0.71 &= -0.28x + 5.37 \\
(0.48x - 0.71) \times 100 &= (-0.28x + 5.37) \times 100 \\
48x - 71 &= -28x + 537 \\
48x + 28x &= 537 + 71 \\
76x &= 608 \\
76x \div 76 &= 608 \div 76 \\
x &= 8
\end{aligned}
$$

3

$$
\begin{aligned}
-0.7x - 1.9 &= -1.9x + 7.7 \\
(-0.7x - 1.9) \times 10 &= (-1.9x + 7.7) \times 10 \\
-7x - 19 &= -19x + 77 \\
-7x + 19x &= 77 + 19 \\
12x &= 96 \\
12x \div 12 &= 96 \div 12 \\
x &= 8
\end{aligned}
$$

1

$1.4x + 1.3 = 0.2x - 4.7$

2

$1.69x - 0.54 = 0.77x + 7.74$

3

$2.4x - 1.6 = 0.6x - 12.4$

1

$$
\begin{aligned}
1.4x + 1.3 &= 0.2x - 4.7 \\
(1.4x + 1.3) \times 10 &= (0.2x - 4.7) \times 10 \\
14x + 13 &= 2x - 47 \\
14x - 2x &= -47 - 13 \\
12x &= -60 \\
12x \div 12 &= -60 \div 12 \\
x &= -5
\end{aligned}
$$

2

$$
\begin{aligned}
1.69x - 0.54 &= 0.77x + 7.74 \\
(1.69x - 0.54) \times 100 &= (0.77x + 7.74) \times 100 \\
169x - 54 &= 77x + 774 \\
169x - 77x &= 774 + 54 \\
92x &= 828 \\
92x \div 92 &= 828 \div 92 \\
x &= 9
\end{aligned}
$$

3

$$
\begin{aligned}
2.4x - 1.6 &= 0.6x - 12.4 \\
(2.4x - 1.6) \times 10 &= (0.6x - 12.4) \times 10 \\
24x - 16 &= 6x - 124 \\
24x - 6x &= -124 + 16 \\
18x &= -108 \\
18x \div 18 &= -108 \div 18 \\
x &= -6
\end{aligned}
$$

1

$-1.32x - 0.41 = -0.85x + 2.88$

2

$-0.5x - 0.52 = -0.05x + 2.63$

3

$-1.3 = 0.2x - 0.7$

1

$$
\begin{aligned}
-1.32x - 0.41 &= -0.85x + 2.88 \\
(-1.32x - 0.41) \times 100 &= (-0.85x + 2.88) \times 100 \\
-132x - 41 &= -85x + 288 \\
-132x + 85x &= 288 + 41 \\
-47x &= 329 \\
-47x \div (-47) &= 329 \div (-47) \\
x &= -7
\end{aligned}
$$

2

$$
\begin{aligned}
-0.5x - 0.52 &= -0.05x + 2.63 \\
(-0.5x - 0.52) \times 100 &= (-0.05x + 2.63) \times 100 \\
-50x - 52 &= -5x + 263 \\
-50x + 5x &= 263 + 52 \\
-45x &= 315 \\
-45x \div (-45) &= 315 \div (-45) \\
x &= -7
\end{aligned}
$$

3

$$
\begin{aligned}
-1.3 &= 0.2x - 0.7 \\
-1.3 \times 10 &= (0.2x - 0.7) \times 10 \\
-13 &= 2x - 7 \\
-2x &= -7 + 13 \\
-2x &= 6 \\
-2x \div (-2) &= 6 \div (-2) \\
x &= -3
\end{aligned}
$$

1

$-1.53x - 0.55 = -0.94x - 4.68$

2

$0.3x + 1.1 = 0.9x + 4.1$

3

$0.3x + 1.9 = -0.3x + 2.5$

1

$$
\begin{aligned}
-1.53x - 0.55 &= -0.94x - 4.68 \\
(-1.53x - 0.55) \times 100 &= (-0.94x - 4.68) \times 100 \\
-153x - 55 &= -94x - 468 \\
-153x + 94x &= -468 + 55 \\
-59x &= -413 \\
-59x \div (-59) &= -413 \div (-59) \\
x &= 7
\end{aligned}
$$

2

$$
\begin{aligned}
0.3x + 1.1 &= 0.9x + 4.1 \\
(0.3x + 1.1) \times 10 &= (0.9x + 4.1) \times 10 \\
3x + 11 &= 9x + 41 \\
3x - 9x &= 41 - 11 \\
-6x &= 30 \\
-6x \div (-6) &= 30 \div (-6) \\
x &= -5
\end{aligned}
$$

3

$$
\begin{aligned}
0.3x + 1.9 &= -0.3x + 2.5 \\
(0.3x + 1.9) \times 10 &= (-0.3x + 2.5) \times 10 \\
3x + 19 &= -3x + 25 \\
3x + 3x &= 25 - 19 \\
6x &= 6 \\
6x \div 6 &= 6 \div 6 \\
x &= 1
\end{aligned}
$$

1

$0.85x - 0.55 = 0.98x - 1.72$

2

$-0.38x + 0.91 = -0.45x + 1.4$

3

$-0.84x + 0.24 = -0.96x + 0.84$

1

$$
\begin{aligned}
0.85x - 0.55 &= 0.98x - 1.72 \\
(0.85x - 0.55) \times 100 &= (0.98x - 1.72) \times 100 \\
85x - 55 &= 98x - 172 \\
85x - 98x &= -172 + 55 \\
-13x &= -117 \\
-13x \div (-13) &= -117 \div (-13) \\
x &= 9
\end{aligned}
$$

2

$$
\begin{aligned}
-0.38x + 0.91 &= -0.45x + 1.4 \\
(-0.38x + 0.91) \times 100 &= (-0.45x + 1.4) \times 100 \\
-38x + 91 &= -45x + 140 \\
-38x + 45x &= 140 - 91 \\
7x &= 49 \\
7x \div 7 &= 49 \div 7 \\
x &= 7
\end{aligned}
$$

3

$$
\begin{aligned}
-0.84x + 0.24 &= -0.96x + 0.84 \\
(-0.84x + 0.24) \times 100 &= (-0.96x + 0.84) \times 100 \\
-84x + 24 &= -96x + 84 \\
-84x + 96x &= 84 - 24 \\
12x &= 60 \\
12x \div 12 &= 60 \div 12 \\
x &= 5
\end{aligned}
$$

1

$-0.18x - 0.49 = -0.11x - 0.42$

2

$1.35x + 0.46 = 0.39x - 2.42$

3

$-2.5x - 1.9 = -0.9x - 0.3$

1

$$
\begin{aligned}
-0.18x - 0.49 &= -0.11x - 0.42 \\
(-0.18x - 0.49) \times 100 &= (-0.11x - 0.42) \times 100 \\
-18x - 49 &= -11x - 42 \\
-18x + 11x &= -42 + 49 \\
-7x &= 7 \\
-7x \div (-7) &= 7 \div (-7) \\
x &= -1
\end{aligned}
$$

2

$$
\begin{aligned}
1.35x + 0.46 &= 0.39x - 2.42 \\
(1.35x + 0.46) \times 100 &= (0.39x - 2.42) \times 100 \\
135x + 46 &= 39x - 242 \\
135x - 39x &= -242 - 46 \\
96x &= -288 \\
96x \div 96 &= -288 \div 96 \\
x &= -3
\end{aligned}
$$

3

$$
\begin{aligned}
-2.5x - 1.9 &= -0.9x - 0.3 \\
(-2.5x - 1.9) \times 10 &= (-0.9x - 0.3) \times 10 \\
-25x - 19 &= -9x - 3 \\
-25x + 9x &= -3 + 19 \\
-16x &= 16 \\
-16x \div (-16) &= 16 \div (-16) \\
x &= -1
\end{aligned}
$$

1

$0.11x - 0.75 = -0.27x - 3.41$

2

$3.3x + 1.3 = 1.4x + 8.9$

3

$0.53x + 0.09 = -0.05x + 1.83$

1

$$
\begin{aligned}
0.11x - 0.75 &= -0.27x - 3.41 \\
(0.11x - 0.75) \times 100 &= (-0.27x - 3.41) \times 100 \\
11x - 75 &= -27x - 341 \\
11x + 27x &= -341 + 75 \\
38x &= -266 \\
38x \div 38 &= -266 \div 38 \\
x &= -7
\end{aligned}
$$

2

$$
\begin{aligned}
3.3x + 1.3 &= 1.4x + 8.9 \\
(3.3x + 1.3) \times 10 &= (1.4x + 8.9) \times 10 \\
33x + 13 &= 14x + 89 \\
33x - 14x &= 89 - 13 \\
19x &= 76 \\
19x \div 19 &= 76 \div 19 \\
x &= 4
\end{aligned}
$$

3

$$
\begin{aligned}
0.53x + 0.09 &= -0.05x + 1.83 \\
(0.53x + 0.09) \times 100 &= (-0.05x + 1.83) \times 100 \\
53x + 9 &= -5x + 183 \\
53x + 5x &= 183 - 9 \\
58x &= 174 \\
58x \div 58 &= 174 \div 58 \\
x &= 3
\end{aligned}
$$

1

$0.3x + 0.3 = -0.8x - 6.3$

2

$-x - 1.3 = -0.5x - 4.3$

3

$1.16x + 0.85 = 0.37x - 6.26$

1

$$
\begin{aligned}
0.3x + 0.3 &= -0.8x - 6.3 \\
(0.3x + 0.3) \times 10 &= (-0.8x - 6.3) \times 10 \\
3x + 3 &= -8x - 63 \\
3x + 8x &= -63 - 3 \\
11x &= -66 \\
11x \div 11 &= -66 \div 11 \\
x &= -6
\end{aligned}
$$

2

$$
\begin{aligned}
-x - 1.3 &= -0.5x - 4.3 \\
(-x - 1.3) \times 10 &= (-0.5x - 4.3) \times 10 \\
-10x - 13 &= -5x - 43 \\
-10x + 5x &= -43 + 13 \\
-5x &= -30 \\
-5x \div (-5) &= -30 \div (-5) \\
x &= 6
\end{aligned}
$$

3

$$
\begin{aligned}
1.16x + 0.85 &= 0.37x - 6.26 \\
(1.16x + 0.85) \times 100 &= (0.37x - 6.26) \times 100 \\
116x + 85 &= 37x - 626 \\
116x - 37x &= -626 - 85 \\
79x &= -711 \\
79x \div 79 &= -711 \div 79 \\
x &= -9
\end{aligned}
$$

1

$-0.4x + 0.2 = -1.9x + 12.2$

2

$-0.73x + 0.08 = -0.47x - 0.96$

3

$0.1x - 0.7 = 0.2x - 0.9$

1

$$
\begin{aligned}
-0.4x + 0.2 &= -1.9x + 12.2 \\
(-0.4x + 0.2) \times 10 &= (-1.9x + 12.2) \times 10 \\
-4x + 2 &= -19x + 122 \\
-4x + 19x &= 122 - 2 \\
15x &= 120 \\
15x \div 15 &= 120 \div 15 \\
x &= 8
\end{aligned}
$$

2

$$
\begin{aligned}
-0.73x + 0.08 &= -0.47x - 0.96 \\
(-0.73x + 0.08) \times 100 &= (-0.47x - 0.96) \times 100 \\
-73x + 8 &= -47x - 96 \\
-73x + 47x &= -96 - 8 \\
-26x &= -104 \\
-26x \div (-26) &= -104 \div (-26) \\
x &= 4
\end{aligned}
$$

3

$$
\begin{aligned}
0.1x - 0.7 &= 0.2x - 0.9 \\
(0.1x - 0.7) \times 10 &= (0.2x - 0.9) \times 10 \\
x - 7 &= 2x - 9 \\
x - 2x &= -9 + 7 \\
-x &= -2 \\
-x \div (-1) &= -2 \div (-1) \\
x &= 2
\end{aligned}
$$

1

$-0.44x - 0.26 = -0.75x - 2.74$

2

$0.5x + 0.6 = 0.7x + 1$

3

$0.82x - 0.19 = 0.06x - 5.51$

1

$$
\begin{aligned}
-0.44x - 0.26 &= -0.75x - 2.74 \\
(-0.44x - 0.26) \times 100 &= (-0.75x - 2.74) \times 100 \\
-44x - 26 &= -75x - 274 \\
-44x + 75x &= -274 + 26 \\
31x &= -248 \\
31x \div 31 &= -248 \div 31 \\
x &= -8
\end{aligned}
$$

2

$$
\begin{aligned}
0.5x + 0.6 &= 0.7x + 1 \\
(0.5x + 0.6) \times 10 &= (0.7x + 1) \times 10 \\
5x + 6 &= 7x + 10 \\
5x - 7x &= 10 - 6 \\
-2x &= 4 \\
-2x \div (-2) &= 4 \div (-2) \\
x &= -2
\end{aligned}
$$

3

$$
\begin{aligned}
0.82x - 0.19 &= 0.06x - 5.51 \\
(0.82x - 0.19) \times 100 &= (0.06x - 5.51) \times 100 \\
82x - 19 &= 6x - 551 \\
82x - 6x &= -551 + 19 \\
76x &= -532 \\
76x \div 76 &= -532 \div 76 \\
x &= -7
\end{aligned}
$$

1

$0.1x + 1.8 = 1.9x + 5.4$

2

$-0.56x + 0.42 = -0.71x + 0.12$

3

$0.36x + 0.08 = 0.87x - 2.47$

1

$$
\begin{aligned}
0.1x + 1.8 &= 1.9x + 5.4 \\
(0.1x + 1.8) \times 10 &= (1.9x + 5.4) \times 10 \\
x + 18 &= 19x + 54 \\
x - 19x &= 54 - 18 \\
-18x &= 36 \\
-18x \div (-18) &= 36 \div (-18) \\
x &= -2
\end{aligned}
$$

2

$$
\begin{aligned}
-0.56x + 0.42 &= -0.71x + 0.12 \\
(-0.56x + 0.42) \times 100 &= (-0.71x + 0.12) \times 100 \\
-56x + 42 &= -71x + 12 \\
-56x + 71x &= 12 - 42 \\
15x &= -30 \\
15x \div 15 &= -30 \div 15 \\
x &= -2
\end{aligned}
$$

3

$$
\begin{aligned}
0.36x + 0.08 &= 0.87x - 2.47 \\
(0.36x + 0.08) \times 100 &= (0.87x - 2.47) \times 100 \\
36x + 8 &= 87x - 247 \\
36x - 87x &= -247 - 8 \\
-51x &= -255 \\
-51x \div (-51) &= -255 \div (-51) \\
x &= 5
\end{aligned}
$$

1

$0.57x - 0.42 = 0.65x - 0.18$

2

$-x - 0.13 = -0.57x + 1.16$

3

$-2x - 0.4 = -1.7x - 2.8$

1

$$
\begin{aligned}
0.57x - 0.42 &= 0.65x - 0.18 \\
(0.57x - 0.42) \times 100 &= (0.65x - 0.18) \times 100 \\
57x - 42 &= 65x - 18 \\
57x - 65x &= -18 + 42 \\
-8x &= 24 \\
-8x \div (-8) &= 24 \div (-8) \\
x &= -3
\end{aligned}
$$

2

$$
\begin{aligned}
-x - 0.13 &= -0.57x + 1.16 \\
(-x - 0.13) \times 100 &= (-0.57x + 1.16) \times 100 \\
-100x - 13 &= -57x + 116 \\
-100x + 57x &= 116 + 13 \\
-43x &= 129 \\
-43x \div (-43) &= 129 \div (-43) \\
x &= -3
\end{aligned}
$$

3

$$
\begin{aligned}
-2x - 0.4 &= -1.7x - 2.8 \\
(-2x - 0.4) \times 10 &= (-1.7x - 2.8) \times 10 \\
-20x - 4 &= -17x - 28 \\
-20x + 17x &= -28 + 4 \\
-3x &= -24 \\
-3x \div (-3) &= -24 \div (-3) \\
x &= 8
\end{aligned}
$$

1

$0.7x + 1.7 = 1.8x + 0.6$

2

$-1.7x + 0.5 = -0.1x + 11.7$

3

$-0.37x + 0.27 = -0.03x - 0.41$

1

$$
\begin{aligned}
0.7x + 1.7 &= 1.8x + 0.6 \\
(0.7x + 1.7) \times 10 &= (1.8x + 0.6) \times 10 \\
7x + 17 &= 18x + 6 \\
7x - 18x &= 6 - 17 \\
-11x &= -11 \\
-11x \div (-11) &= -11 \div (-11) \\
x &= 1
\end{aligned}
$$

2

$$
\begin{aligned}
-1.7x + 0.5 &= -0.1x + 11.7 \\
(-1.7x + 0.5) \times 10 &= (-0.1x + 11.7) \times 10 \\
-17x + 5 &= -x + 117 \\
-17x + x &= 117 - 5 \\
-16x &= 112 \\
-16x \div (-16) &= 112 \div (-16) \\
x &= -7
\end{aligned}
$$

3

$$
\begin{aligned}
-0.37x + 0.27 &= -0.03x - 0.41 \\
(-0.37x + 0.27) \times 100 &= (-0.03x - 0.41) \times 100 \\
-37x + 27 &= -3x - 41 \\
-37x + 3x &= -41 - 27 \\
-34x &= -68 \\
-34x \div (-34) &= -68 \div (-34) \\
x &= 2
\end{aligned}
$$

1

$-0.35x + 0.16 = -0.61x + 0.94$

2

$0.67x + 0.12 = 0.43x - 0.6$

3

$-1.08x - 0.17 = -0.91x - 1.02$

1

$$
\begin{aligned}
-0.35x + 0.16 &= -0.61x + 0.94 \\
(-0.35x + 0.16) \times 100 &= (-0.61x + 0.94) \times 100 \\
-35x + 16 &= -61x + 94 \\
-35x + 61x &= 94 - 16 \\
26x &= 78 \\
26x \div 26 &= 78 \div 26 \\
x &= 3
\end{aligned}
$$

2

$$
\begin{aligned}
0.67x + 0.12 &= 0.43x - 0.6 \\
(0.67x + 0.12) \times 100 &= (0.43x - 0.6) \times 100 \\
67x + 12 &= 43x - 60 \\
67x - 43x &= -60 - 12 \\
24x &= -72 \\
24x \div 24 &= -72 \div 24 \\
x &= -3
\end{aligned}
$$

3

$$
\begin{aligned}
-1.08x - 0.17 &= -0.91x - 1.02 \\
(-1.08x - 0.17) \times 100 &= (-0.91x - 1.02) \times 100 \\
-108x - 17 &= -91x - 102 \\
-108x + 91x &= -102 + 17 \\
-17x &= -85 \\
-17x \div (-17) &= -85 \div (-17) \\
x &= 5
\end{aligned}
$$

1

$-1.42x - 0.41 = -0.59x + 3.74$

2

$-1.5 = -1.1x + 2.9$

3

$-3.6x + 1.2 = -1.7x + 12.6$

1

$$
\begin{aligned}
-1.42x - 0.41 &= -0.59x + 3.74 \\
(-1.42x - 0.41) \times 100 &= (-0.59x + 3.74) \times 100 \\
-142x - 41 &= -59x + 374 \\
-142x + 59x &= 374 + 41 \\
-83x &= 415 \\
-83x \div (-83) &= 415 \div (-83) \\
x &= -5
\end{aligned}
$$

2

$$
\begin{aligned}
-1.5 &= -1.1x + 2.9 \\
-1.5 \times 10 &= (-1.1x + 2.9) \times 10 \\
-15 &= -11x + 29 \\
11x &= 29 + 15 \\
11x &= 44 \\
11x \div 11 &= 44 \div 11 \\
x &= 4
\end{aligned}
$$

3

$$
\begin{aligned}
-3.6x + 1.2 &= -1.7x + 12.6 \\
(-3.6x + 1.2) \times 10 &= (-1.7x + 12.6) \times 10 \\
-36x + 12 &= -17x + 126 \\
-36x + 17x &= 126 - 12 \\
-19x &= 114 \\
-19x \div (-19) &= 114 \div (-19) \\
x &= -6
\end{aligned}
$$

1

$1.6x - 0.4 = 1.2x + 1.2$

2

$0.26x + 0.97 = -0.52x - 4.49$

3

$-0.31x + 0.77 = 0.34x + 1.42$

1

$$
\begin{aligned}
1.6x - 0.4 &= 1.2x + 1.2 \\
(1.6x - 0.4) \times 10 &= (1.2x + 1.2) \times 10 \\
16x - 4 &= 12x + 12 \\
16x - 12x &= 12 + 4 \\
4x &= 16 \\
4x \div 4 &= 16 \div 4 \\
x &= 4
\end{aligned}
$$

2

$$
\begin{aligned}
0.26x + 0.97 &= -0.52x - 4.49 \\
(0.26x + 0.97) \times 100 &= (-0.52x - 4.49) \times 100 \\
26x + 97 &= -52x - 449 \\
26x + 52x &= -449 - 97 \\
78x &= -546 \\
78x \div 78 &= -546 \div 78 \\
x &= -7
\end{aligned}
$$

3

$$
\begin{aligned}
-0.31x + 0.77 &= 0.34x + 1.42 \\
(-0.31x + 0.77) \times 100 &= (0.34x + 1.42) \times 100 \\
-31x + 77 &= 34x + 142 \\
-31x - 34x &= 142 - 77 \\
-65x &= 65 \\
-65x \div (-65) &= 65 \div (-65) \\
x &= -1
\end{aligned}
$$

1

$-0.87x + 0.75 = -0.12x + 1.5$

2

$0.26x - 0.47 = -0.63x + 4.87$

3

$-0.03x + 0.38 = -0.25x + 1.26$

1

$$
\begin{aligned}
-0.87x + 0.75 &= -0.12x + 1.5 \\
(-0.87x + 0.75) \times 100 &= (-0.12x + 1.5) \times 100 \\
-87x + 75 &= -12x + 150 \\
-87x + 12x &= 150 - 75 \\
-75x &= 75 \\
-75x \div (-75) &= 75 \div (-75) \\
x &= -1
\end{aligned}
$$

2

$$
\begin{aligned}
0.26x - 0.47 &= -0.63x + 4.87 \\
(0.26x - 0.47) \times 100 &= (-0.63x + 4.87) \times 100 \\
26x - 47 &= -63x + 487 \\
26x + 63x &= 487 + 47 \\
89x &= 534 \\
89x \div 89 &= 534 \div 89 \\
x &= 6
\end{aligned}
$$

3

$$
\begin{aligned}
-0.03x + 0.38 &= -0.25x + 1.26 \\
(-0.03x + 0.38) \times 100 &= (-0.25x + 1.26) \times 100 \\
-3x + 38 &= -25x + 126 \\
-3x + 25x &= 126 - 38 \\
22x &= 88 \\
22x \div 22 &= 88 \div 22 \\
x &= 4
\end{aligned}
$$

1

$-1.2x + 1.3 = -0.3x - 6.8$

2

$2.9x - 1.1 = 1.2x + 9.1$

3

$-1.02x - 0.34 = -0.38x - 4.18$

1

$$
\begin{aligned}
-1.2x + 1.3 &= -0.3x - 6.8 \\
(-1.2x + 1.3) \times 10 &= (-0.3x - 6.8) \times 10 \\
-12x + 13 &= -3x - 68 \\
-12x + 3x &= -68 - 13 \\
-9x &= -81 \\
-9x \div (-9) &= -81 \div (-9) \\
x &= 9
\end{aligned}
$$

2

$$
\begin{aligned}
2.9x - 1.1 &= 1.2x + 9.1 \\
(2.9x - 1.1) \times 10 &= (1.2x + 9.1) \times 10 \\
29x - 11 &= 12x + 91 \\
29x - 12x &= 91 + 11 \\
17x &= 102 \\
17x \div 17 &= 102 \div 17 \\
x &= 6
\end{aligned}
$$

3

$$
\begin{aligned}
-1.02x - 0.34 &= -0.38x - 4.18 \\
(-1.02x - 0.34) \times 100 &= (-0.38x - 4.18) \times 100 \\
-102x - 34 &= -38x - 418 \\
-102x + 38x &= -418 + 34 \\
-64x &= -384 \\
-64x \div (-64) &= -384 \div (-64) \\
x &= 6
\end{aligned}
$$

1

$-0.74x - 0.55 = -0.36x - 2.07$

2

$0.6x + 1.1 = -0.7x + 3.7$

3

$-2.3x - 1.1 = -1.4x - 6.5$

1

$$
\begin{aligned}
-0.74x - 0.55 &= -0.36x - 2.07 \\
(-0.74x - 0.55) \times 100 &= (-0.36x - 2.07) \times 100 \\
-74x - 55 &= -36x - 207 \\
-74x + 36x &= -207 + 55 \\
-38x &= -152 \\
-38x \div (-38) &= -152 \div (-38) \\
x &= 4
\end{aligned}
$$

2

$$
\begin{aligned}
0.6x + 1.1 &= -0.7x + 3.7 \\
(0.6x + 1.1) \times 10 &= (-0.7x + 3.7) \times 10 \\
6x + 11 &= -7x + 37 \\
6x + 7x &= 37 - 11 \\
13x &= 26 \\
13x \div 13 &= 26 \div 13 \\
x &= 2
\end{aligned}
$$

3

$$
\begin{aligned}
-2.3x - 1.1 &= -1.4x - 6.5 \\
(-2.3x - 1.1) \times 10 &= (-1.4x - 6.5) \times 10 \\
-23x - 11 &= -14x - 65 \\
-23x + 14x &= -65 + 11 \\
-9x &= -54 \\
-9x \div (-9) &= -54 \div (-9) \\
x &= 6
\end{aligned}
$$

1

$-x + 1.3 = -0.1x + 9.4$

2

$0.83x + 0.88 = 0.25x + 2.62$

3

$0.29x + 0.68 = -0.52x + 7.16$

1

$$
\begin{aligned}
-x + 1.3 &= -0.1x + 9.4 \\
(-x + 1.3) \times 10 &= (-0.1x + 9.4) \times 10 \\
-10x + 13 &= -x + 94 \\
-10x + x &= 94 - 13 \\
-9x &= 81 \\
-9x \div (-9) &= 81 \div (-9) \\
x &= -9
\end{aligned}
$$

2

$$
\begin{aligned}
0.83x + 0.88 &= 0.25x + 2.62 \\
(0.83x + 0.88) \times 100 &= (0.25x + 2.62) \times 100 \\
83x + 88 &= 25x + 262 \\
83x - 25x &= 262 - 88 \\
58x &= 174 \\
58x \div 58 &= 174 \div 58 \\
x &= 3
\end{aligned}
$$

3

$$
\begin{aligned}
0.29x + 0.68 &= -0.52x + 7.16 \\
(0.29x + 0.68) \times 100 &= (-0.52x + 7.16) \times 100 \\
29x + 68 &= -52x + 716 \\
29x + 52x &= 716 - 68 \\
81x &= 648 \\
81x \div 81 &= 648 \div 81 \\
x &= 8
\end{aligned}
$$

1

$0.4 = -1.4x - 8$

2

$-1.1x - 0.6 = 0.4x + 5.4$

3

$-0.67x - 0.26 = -0.09x - 3.74$

1

$$
\begin{aligned}
0.4 &= -1.4x - 8 \\
0.4 \times 10 &= (-1.4x - 8) \times 10 \\
4 &= -14x - 80 \\
14x &= -80 - 4 \\
14x &= -84 \\
14x \div 14 &= -84 \div 14 \\
x &= -6
\end{aligned}
$$

2

$$
\begin{aligned}
-1.1x - 0.6 &= 0.4x + 5.4 \\
(-1.1x - 0.6) \times 10 &= (0.4x + 5.4) \times 10 \\
-11x - 6 &= 4x + 54 \\
-11x - 4x &= 54 + 6 \\
-15x &= 60 \\
-15x \div (-15) &= 60 \div (-15) \\
x &= -4
\end{aligned}
$$

3

$$
\begin{aligned}
-0.67x - 0.26 &= -0.09x - 3.74 \\
(-0.67x - 0.26) \times 100 &= (-0.09x - 3.74) \times 100 \\
-67x - 26 &= -9x - 374 \\
-67x + 9x &= -374 + 26 \\
-58x &= -348 \\
-58x \div (-58) &= -348 \div (-58) \\
x &= 6
\end{aligned}
$$

1

$-0.3x + 0.4 = -0.6x - 0.5$

2

$2.8x + 0.1 = 1.1x + 3.5$

3

$0.7x + 1.4 = -0.5x - 7$

1

$$
\begin{aligned}
-0.3x + 0.4 &= -0.6x - 0.5 \\
(-0.3x + 0.4) \times 10 &= (-0.6x - 0.5) \times 10 \\
-3x + 4 &= -6x - 5 \\
-3x + 6x &= -5 - 4 \\
3x &= -9 \\
3x \div 3 &= -9 \div 3 \\
x &= -3
\end{aligned}
$$

2

$$
\begin{aligned}
2.8x + 0.1 &= 1.1x + 3.5 \\
(2.8x + 0.1) \times 10 &= (1.1x + 3.5) \times 10 \\
28x + 1 &= 11x + 35 \\
28x - 11x &= 35 - 1 \\
17x &= 34 \\
17x \div 17 &= 34 \div 17 \\
x &= 2
\end{aligned}
$$

3

$$
\begin{aligned}
0.7x + 1.4 &= -0.5x - 7 \\
(0.7x + 1.4) \times 10 &= (-0.5x - 7) \times 10 \\
7x + 14 &= -5x - 70 \\
7x + 5x &= -70 - 14 \\
12x &= -84 \\
12x \div 12 &= -84 \div 12 \\
x &= -7
\end{aligned}
$$

1

$0.75x + 0.91 = 0.12x + 5.95$

2

$-1.22x - 0.99 = -0.27x + 7.56$

3

$0.4x - 0.81 = -0.44x - 6.69$

1

$$
\begin{aligned}
0.75x + 0.91 &= 0.12x + 5.95 \\
(0.75x + 0.91) \times 100 &= (0.12x + 5.95) \times 100 \\
75x + 91 &= 12x + 595 \\
75x - 12x &= 595 - 91 \\
63x &= 504 \\
63x \div 63 &= 504 \div 63 \\
x &= 8
\end{aligned}
$$

2

$$
\begin{aligned}
-1.22x - 0.99 &= -0.27x + 7.56 \\
(-1.22x - 0.99) \times 100 &= (-0.27x + 7.56) \times 100 \\
-122x - 99 &= -27x + 756 \\
-122x + 27x &= 756 + 99 \\
-95x &= 855 \\
-95x \div (-95) &= 855 \div (-95) \\
x &= -9
\end{aligned}
$$

3

$$
\begin{aligned}
0.4x - 0.81 &= -0.44x - 6.69 \\
(0.4x - 0.81) \times 100 &= (-0.44x - 6.69) \times 100 \\
40x - 81 &= -44x - 669 \\
40x + 44x &= -669 + 81 \\
84x &= -588 \\
84x \div 84 &= -588 \div 84 \\
x &= -7
\end{aligned}
$$

(1)

$0.2x + 0.6 = 0.6x + 1$

(2)

$3x + 0.1 = 1.1x + 9.6$

(3)

$-0.8x + 0.2 = 0.4x + 3.8$

1

$$
\begin{aligned}
0.2x + 0.6 &= 0.6x + 1 \\
(0.2x + 0.6) \times 10 &= (0.6x + 1) \times 10 \\
2x + 6 &= 6x + 10 \\
2x - 6x &= 10 - 6 \\
-4x &= 4 \\
-4x \div (-4) &= 4 \div (-4) \\
x &= -1
\end{aligned}
$$

2

$$
\begin{aligned}
3x + 0.1 &= 1.1x + 9.6 \\
(3x + 0.1) \times 10 &= (1.1x + 9.6) \times 10 \\
30x + 1 &= 11x + 96 \\
30x - 11x &= 96 - 1 \\
19x &= 95 \\
19x \div 19 &= 95 \div 19 \\
x &= 5
\end{aligned}
$$

3

$$
\begin{aligned}
-0.8x + 0.2 &= 0.4x + 3.8 \\
(-0.8x + 0.2) \times 10 &= (0.4x + 3.8) \times 10 \\
-8x + 2 &= 4x + 38 \\
-8x - 4x &= 38 - 2 \\
-12x &= 36 \\
-12x \div (-12) &= 36 \div (-12) \\
x &= -3
\end{aligned}
$$