

1次方程式

名前 _____

次の方程式を解きなさい。

(1) $0.9x + 1.0 = 0.8x + 1.5$

(7) $0.2x + 5.0 = 0.7x + 1.0$

(2) $0.5x + 0.9 = 0.9x - 0.7$

(8) $0.3x + 1.2 = 0.6x - 0.3$

(3) $0.7x + 0.5 = 0.9x + 0.3$

(9) $0.6x - 0.2 = 0.4x + 0.4$

(4) $0.2x + 4.5 = 0.8x + 0.3$

(10) $0.5x + 0.7 = 0.2x + 2.5$

(5) $0.4x + 2.8 = 0.7x + 0.4$

(11) $0.2x - 0.4 = 0.5x - 1.0$

(6) $0.7x + 0.5 = 0.5x + 1.9$

(12) $0.1x + 6.3 = 0.8x + 0.7$

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次の方程式を解きなさい。

$$\begin{aligned}(1) \quad 0.9x + 1.0 &= 0.8x + 1.5 \\ 9x + 10 &= 8x + 15 \\ 9x - 8x &= 15 - 10 \\ x &= 5\end{aligned}$$

$$\begin{aligned}(7) \quad 0.2x + 5.0 &= 0.7x + 1.0 \\ 2x + 50 &= 7x + 10 \\ 2x - 7x &= 10 - 50 \\ -5x &= -40 \\ x &= 8\end{aligned}$$

$$\begin{aligned}(2) \quad 0.5x + 0.9 &= 0.9x - 0.7 \\ 5x + 9 &= 9x - 7 \\ 5x - 9x &= -7 - 9 \\ -4x &= -16 \\ x &= 4\end{aligned}$$

$$\begin{aligned}(8) \quad 0.3x + 1.2 &= 0.6x - 0.3 \\ 3x + 12 &= 6x - 3 \\ 3x - 6x &= -3 - 12 \\ -3x &= -15 \\ x &= 5\end{aligned}$$

$$\begin{aligned}(3) \quad 0.7x + 0.5 &= 0.9x + 0.3 \\ 7x + 5 &= 9x + 3 \\ 7x - 9x &= 3 - 5 \\ -2x &= -2 \\ x &= 1\end{aligned}$$

$$\begin{aligned}(9) \quad 0.6x - 0.2 &= 0.4x + 0.4 \\ 6x - 2 &= 4x + 4 \\ 6x - 4x &= 4 + 2 \\ 2x &= 6 \\ x &= 3\end{aligned}$$

$$\begin{aligned}(4) \quad 0.2x + 4.5 &= 0.8x + 0.3 \\ 2x + 45 &= 8x + 3 \\ 2x - 8x &= 3 - 45 \\ -6x &= -42 \\ x &= 7\end{aligned}$$

$$\begin{aligned}(10) \quad 0.5x + 0.7 &= 0.2x + 2.5 \\ 5x + 7 &= 2x + 25 \\ 5x - 2x &= 25 - 7 \\ 3x &= 18 \\ x &= 6\end{aligned}$$

$$\begin{aligned}(5) \quad 0.4x + 2.8 &= 0.7x + 0.4 \\ 4x + 28 &= 7x + 4 \\ 4x - 7x &= 4 - 28 \\ -3x &= -24 \\ x &= 8\end{aligned}$$

$$\begin{aligned}(11) \quad 0.2x - 0.4 &= 0.5x - 1.0 \\ 2x - 4 &= 5x - 10 \\ 2x - 5x &= -10 + 4 \\ -3x &= -6 \\ x &= 2\end{aligned}$$

$$\begin{aligned}(6) \quad 0.7x + 0.5 &= 0.5x + 1.9 \\ 7x + 5 &= 5x + 19 \\ 7x - 5x &= 19 - 5 \\ 2x &= 14 \\ x &= 7\end{aligned}$$

$$\begin{aligned}(12) \quad 0.1x + 6.3 &= 0.8x + 0.7 \\ x + 63 &= 8x + 7 \\ x - 8x &= 7 - 63 \\ -7x &= -56 \\ x &= 8\end{aligned}$$

(1)