

1次方程式

名前 _____

次の方程式を解きなさい。

(1) $2x + 3 = 7x - 2$

(7) $4x + 19 = 6x + 1$

(2) $-x - 3 = -6$

(8) $5 = x - 4$

(3) $57 = 8x + 9$

(9) $0.3x + 0.8 = 0.9x - 0.4$

(4) $7x - 2 = 5x + 16$

(10) $0.8x + 0.2 = 0.9x - 0.3$

(5) $2x - 8 = 12$

(11) $2x + 9 = 8x - 9$

(6) $0.2x + 1.2 = 0.9x - 0.2$

(12) $0.1x + 1.6 = 0.4x - 0.5$

(1)

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次の方程式を解きなさい。

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

$$\begin{aligned}(7) \quad & 4x + 19 = 6x + 1 \\ & 4x - 6x = 1 - 19 \\ & -2x = -18 \\ & x = 9\end{aligned}$$

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

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

$$\begin{aligned}(3) \quad & 57 = 8x + 9 \\ & -8x = 9 - 57 \\ & -8x = -48 \\ & x = 6\end{aligned}$$

$$\begin{aligned}(9) \quad & 0.3x + 0.8 = 0.9x - 0.4 \\ & 3x + 8 = 9x - 4 \\ & 3x - 9x = -4 - 8 \\ & -6x = -12 \\ & x = 2\end{aligned}$$

$$\begin{aligned}(4) \quad & 7x - 2 = 5x + 16 \\ & 7x - 5x = 16 + 2 \\ & 2x = 18 \\ & x = 9\end{aligned}$$

$$\begin{aligned}(10) \quad & 0.8x + 0.2 = 0.9x - 0.3 \\ & 8x + 2 = 9x - 3 \\ & 8x - 9x = -3 - 2 \\ & -x = -5 \\ & x = 5\end{aligned}$$

$$\begin{aligned}(5) \quad & 2x - 8 = 12 \\ & 2x = 12 + 8 \\ & 2x = 20 \\ & x = 10\end{aligned}$$

$$\begin{aligned}(11) \quad & 2x + 9 = 8x - 9 \\ & 2x - 8x = -9 - 9 \\ & -6x = -18 \\ & x = 3\end{aligned}$$

$$\begin{aligned}(6) \quad & 0.2x + 1.2 = 0.9x - 0.2 \\ & 2x + 12 = 9x - 2 \\ & 2x - 9x = -2 - 12 \\ & -7x = -14 \\ & x = 2\end{aligned}$$

$$\begin{aligned}(12) \quad & 0.1x + 1.6 = 0.4x - 0.5 \\ & x + 16 = 4x - 5 \\ & x - 4x = -5 - 16 \\ & -3x = -21 \\ & x = 7\end{aligned}$$

(1)