

1次方程式の解き方2

NO. 2

名前

/14 点

次の方程式を解きなさい。

(1) $5x + 2 = 37$

(2) $4x + 6 = 18$

(3) $2x - 5 = -13$

(4) $7x - 8 = -36$

(5) $9x = 52 - 4x$

(6) $6x = 56 - 8x$

(7) $2x = 8x + 24$

(8) $5x = 7x - 48$

(9) $8x + 6 = 38$

(10) $9x + 11 = 47$

(11) $8x - 4 = -52$

(12) $3x - 9 = -27$

(13) $8x = 60 - 7x$

(14) $6x = 60 - 9x$

解答

$$\begin{aligned}(1) \quad 5x + 2 &= 37 \\ 5x &= 37 - 2 \\ 5x &= 35 \\ x &= 7\end{aligned}$$

$$\begin{aligned}(3) \quad 2x - 5 &= -13 \\ 2x &= -13 + 5 \\ 2x &= -8 \\ x &= -4\end{aligned}$$

$$\begin{aligned}(5) \quad 9x &= 52 - 4x \\ 9x + 4x &= 52 \\ 13x &= 52 \\ x &= 4\end{aligned}$$

$$\begin{aligned}(7) \quad 2x &= 8x + 24 \\ 2x - 8x &= 24 \\ -6x &= 24 \\ x &= -4\end{aligned}$$

$$\begin{aligned}(9) \quad 8x + 6 &= 38 \\ 8x &= 38 - 6 \\ 8x &= 32 \\ x &= 4\end{aligned}$$

$$\begin{aligned}(11) \quad 8x - 4 &= -52 \\ 8x &= -52 + 4 \\ 8x &= -48 \\ x &= -6\end{aligned}$$

$$\begin{aligned}(13) \quad 8x &= 60 - 7x \\ 8x + 7x &= 60 \\ 15x &= 60 \\ x &= 4\end{aligned}$$

$$\begin{aligned}(2) \quad 4x + 6 &= 18 \\ 4x &= 18 - 6 \\ 4x &= 12 \\ x &= 3\end{aligned}$$

$$\begin{aligned}(4) \quad 7x - 8 &= -36 \\ 7x &= -36 + 8 \\ 7x &= -28 \\ x &= -4\end{aligned}$$

$$\begin{aligned}(6) \quad 6x &= 56 - 8x \\ 6x + 8x &= 56 \\ 14x &= 56 \\ x &= 4\end{aligned}$$

$$\begin{aligned}(8) \quad 5x &= 7x - 48 \\ 5x - 7x &= -48 \\ -2x &= -48 \\ x &= 24\end{aligned}$$

$$\begin{aligned}(10) \quad 9x + 11 &= 47 \\ 9x &= 47 - 11 \\ 9x &= 36 \\ x &= 4\end{aligned}$$

$$\begin{aligned}(12) \quad 3x - 9 &= -27 \\ 3x &= -27 + 9 \\ 3x &= -18 \\ x &= -6\end{aligned}$$

$$\begin{aligned}(14) \quad 6x &= 60 - 9x \\ 6x + 9x &= 60 \\ 15x &= 60 \\ x &= 4\end{aligned}$$