

一次方程式の解き方4

NO.2

学習日 月 日

名前

/ 点

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 次の方程式を解きなさい。

(1) $x + 9 = 4$

(2) $x - 8 = 3$

(3) $3x = -24$

(4) $-6x = 18$

(5) $\frac{x}{6} = 5$

(6) $\frac{x}{3} = -4$

2

 次の方程式を解きなさい。

(1) $5x - 8 = 12$

(2) $4x - 9 = 2$

(3) $8x - 3 = 2x + 27$

(4) $3x + 4 = 8x + 14$

解答

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

$$\begin{aligned}
 (3) \quad 3x &= -24 \\
 x &= -24 \div 3 \\
 x &= -8
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad \frac{x}{6} &= 5 \\
 x &= 5 \times 6 \\
 x &= 30
 \end{aligned}$$

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

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

$$\begin{aligned}
 (6) \quad \frac{x}{3} &= -4 \\
 x &= -4 \times 3 \\
 x &= -12
 \end{aligned}$$

2

$$\begin{aligned}
 (1) \quad -3x + 5 &= -16 \\
 -3x &= -16 - 5 \\
 -3x &= -21 \\
 x &= 7
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad 6x - 7 &= 2 \\
 6x &= 2 + 7 \\
 6x &= 9 \\
 x &= \frac{3}{2}
 \end{aligned}$$

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

$$\begin{aligned}
 (4) \quad 9x - 14 &= 5x + 6 \\
 9x - 5x &= 6 + 14 \\
 4x &= 20 \\
 x &= 5
 \end{aligned}$$