
一次方程式の解き方 (総合)

NO.2

学習日 月 日

名前

/ 点

■ 次の方程式を解きなさい。

$$(1) \quad 5x + 7 = 3x - 1$$

$$(2) \quad 3(x + 2) = 4(x - 1)$$

$$(3) \quad 0.5x - 1.2 = 0.2x + 0.6$$

$$(4) \quad \frac{2}{3}x + 1 = 3$$

$$(5) \quad \frac{x + 2}{4} = \frac{x - 1}{2}$$

解答

$$\begin{aligned}
 (1) \quad & 5x + 7 = 3x - 1 \\
 & 5x - 3x = -1 - 7 \\
 & 2x = -8 \\
 & x = -4
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & 3(x + 2) = 4(x - 1) \\
 & 3x + 6 = 4x - 4 \\
 & 3x - 4x = -4 - 6 \\
 & -x = -10 \\
 & x = 10
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad & 0.5x - 1.2 = 0.2x + 0.6 \\
 & 5x - 12 = 2x + 6 \\
 & 5x - 2x = 6 + 12 \\
 & 3x = 18 \\
 & x = 6
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & \frac{2}{3}x + 1 = 3 \\
 & \frac{2}{3}x + 3 = 9 \\
 & \frac{2}{3}x = 6 \\
 & x = 9
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad & \frac{x + 2}{4} = \frac{x - 1}{2} \\
 & x + 2 = 2(x - 1) \\
 & x + 2 = 2x - 2 \\
 & -x = -4 \\
 & x = 4
 \end{aligned}$$