
一次方程式の解き方 (総合)

NO.5

学習日 月 日

名前

/ 点

■ 次の方程式を解きなさい。

$$(1) \quad 7 - 3(x - 2) = 2x - 5$$

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

$$(3) \quad 5 - \frac{2 - x}{3} = 1 + x$$

$$(4) \quad \frac{x - 3}{4} = \frac{2x + 1}{6}$$

$$(5) \quad \frac{x + 2}{4} - 0.5(x - 3) = \frac{1}{2}$$

解答

$$\begin{aligned}
 (1) \quad & 7 - 3(x - 2) = 2x - 5 \\
 & 7 - 3x + 6 = 2x - 5 \\
 & 13 - 3x = 2x - 5 \\
 & -3x - 2x = -5 - 13 \\
 & -5x = -18 \\
 & x = \frac{18}{5}
 \end{aligned}$$

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

$$\begin{aligned}
 (3) \quad & 5 - \frac{2 - x}{3} = 1 + x \\
 & 15 - (2 - x) = 3 + 3x \\
 & 13 + x = 3 + 3x \\
 & -2x = -10 \\
 & x = 5
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & \frac{x - 3}{4} = \frac{2x + 1}{6} \\
 & 3(x - 3) = 2(2x + 1) \\
 & 3x - 9 = 4x + 2 \\
 & -x = 11 \\
 & x = -11
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad & \frac{x + 2}{4} - 0.5(x - 3) = \frac{1}{2} \\
 & (x + 2) - 2(x - 3) = 2 \\
 & x + 2 - 2x + 6 = 2 \\
 & -x = -6 \\
 & x = 6
 \end{aligned}$$