
一次方程式の解き方 (総合)

NO.3

学習日 月 日

名前

/ 点

■ 次の方程式を解きなさい。

$$(1) \quad 7 - 2x = 3x + 22$$

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

$$(3) \quad 0.07x + 0.2 = 0.02x + 0.45$$

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

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

解答

$$\begin{aligned}
 (1) \quad & 7 - 2x = 3x + 22 \\
 & -2x - 3x = 22 - 7 \\
 & -5x = 15 \\
 & x = -3
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & 4(2x - 1) = 5(x + 1) \\
 & 8x - 4 = 5x + 5 \\
 & 8x - 5x = 5 + 4 \\
 & 3x = 9 \\
 & x = 3
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad & 0.07x + 0.2 = 0.02x + 0.45 \\
 & 7x + 20 = 2x + 45 \\
 & 7x - 2x = 45 - 20 \\
 & 5x = 25 \\
 & x = 5
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & \frac{x}{2} + \frac{x}{3} = 5 \\
 & 3x + 2x = 30 \\
 & 5x = 30 \\
 & x = 6
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad & \frac{3x - 2}{5} = x - 2 \\
 & 3x - 2 = 5(x - 2) \\
 & 3x - 2 = 5x - 10 \\
 & -2x = -8 \\
 & x = 4
 \end{aligned}$$