
一次方程式の解き方 (分数をふくむ)

NO.2

学習日 月 日

名前

/ 点

■ 次の方程式を解きなさい。

$$(1) \quad \frac{x}{3} + \frac{x}{4} = 7$$

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

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

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

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

解答

$$\begin{aligned}
 (1) \quad & \frac{x}{3} + \frac{x}{4} = 7 \\
 & 4x + 3x = 84 \\
 & 7x = 84 \\
 & x = 12
 \end{aligned}$$

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

$$\begin{aligned}
 (3) \quad & \frac{2x - 1}{3} = 3 \\
 & 2x - 1 = 9 \\
 & 2x = 9 + 1 \\
 & 2x = 10 \\
 & x = 5
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & \frac{x}{2} + 1 = \frac{x}{5} + 4 \\
 & 5x + 10 = 2x + 40 \\
 & 5x - 2x = 40 - 10 \\
 & 3x = 30 \\
 & x = 10
 \end{aligned}$$

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