

比例式 応用 I

NO. I

学習日 月 日

名前

/ 点

■ 次の方程式を解きなさい。

$$(1) \quad 4 : 3 = (x + 2) : 9$$

$$(2) \quad (x - 1) : 6 = 2 : 3$$

$$(3) \quad 5 : 2 = (x + 4) : 6$$

$$(4) \quad 3 : 7 = 6 : (x - 2)$$

$$(5) \quad (2x + 1) : 5 = 3 : 1$$

$$(6) \quad 4 : (x + 3) = 3 : 9$$

解答

$$\begin{aligned}(1) \quad & 4 : 3 = (x + 2) : 9 \\ & 3(x + 2) = 4 \times 9 \\ & 3x + 6 = 36 \\ & 3x = 30 \\ & x = 10\end{aligned}$$

$$\begin{aligned}(2) \quad & (x - 1) : 6 = 2 : 3 \\ & 3(x - 1) = 6 \times 2 \\ & 3x - 3 = 12 \\ & 3x = 15 \\ & x = 5\end{aligned}$$

$$\begin{aligned}(3) \quad & 5 : 2 = (x + 4) : 6 \\ & 2(x + 4) = 5 \times 6 \\ & 2x + 8 = 30 \\ & 2x = 22 \\ & x = 11\end{aligned}$$

$$\begin{aligned}(4) \quad & 3 : 7 = 6 : (x - 2) \\ & 3(x - 2) = 7 \times 6 \\ & 3x - 6 = 42 \\ & 3x = 48 \\ & x = 16\end{aligned}$$

$$\begin{aligned}(5) \quad & (2x + 1) : 5 = 3 : 1 \\ & 2x + 1 = 5 \times 3 \\ & 2x + 1 = 15 \\ & 2x = 14 \\ & x = 7\end{aligned}$$

$$\begin{aligned}(6) \quad & 4 : (x + 3) = 3 : 9 \\ & 3(x + 3) = 4 \times 9 \\ & 3x + 9 = 36 \\ & 3x = 27 \\ & x = 9\end{aligned}$$