

中1~第26回かっこのある方程式~

氏名:

解答・解説

例題 次の方程式を解きなさい。

$$\begin{aligned} (1) \quad & \overset{\text{分配}}{3(x-4)} = 5x + 4 \quad \text{移項} \\ & 3x - 12 = 5x + 4 \\ & 3x - 5x = 4 + 12 \\ & -2x = 16 \\ & -2x \div (-2) = 16 \div (-2) \\ & \underline{x = -8} \end{aligned}$$

$$\begin{aligned} (2) \quad & \overset{\text{分配}}{6x - 5(x-1)} = 8 \quad \text{移項} \\ & 6x - 5x + 5 = 8 \\ & 6x - 5x = 8 - 5 \\ & \underline{x = 3} \end{aligned}$$

$$\begin{aligned} (3) \quad & \overset{\text{分配}}{2(x-1)} = \overset{\text{分配}}{4(x+3)} \quad \text{移項} \\ & 2x - 2 = 4x + 12 \\ & 2x - 4x = 12 + 2 \\ & -2x = 14 \\ & -2x \div (-2) = 14 \div (-2) \\ & \underline{x = -7} \end{aligned}$$