

$$(1) 3(3x + 2) - 4x - 5 = 41$$

$$(2) -5(-x + 1) = -14x + 71$$

$$(3) 3(x - 2) + (-x + 4) = -12$$

$$(4) 2(-5x - 4) + 5(-4x + 5) = 47$$

$$(5) 5(3x - 1) + 42 = -3x + 1$$

解 答

$$\begin{aligned}(1) \quad & 9x + 6 - 4x - 5 = 41 \\ & 9x - 4x = 41 - 6 \\ & 5x = 35 \\ & x = 7\end{aligned}$$

$$\begin{aligned}(2) \quad & 5x - 5 = -14x + 71 \\ & 5x + 14x = 71 + 5 \\ & 19x = 76 \\ & x = 4\end{aligned}$$

$$\begin{aligned}(3) \quad & 3x - 6 - x + 4 = -12 \\ & 3x - x = -12 + 2 \\ & 2x = -10 \\ & x = -5\end{aligned}$$

$$\begin{aligned}(4) \quad & -10x - 8 - 20x + 25 = 47 \\ & -10x - 20x = 47 + 8 - 25 \\ & -30x = 30 \\ & x = -1\end{aligned}$$

$$\begin{aligned}(5) \quad & 15x - 5 + 42 = -3x + 1 \\ & 15x + 3x = 1 + 5 - 42 \\ & 18x = -36 \\ & x = -2\end{aligned}$$