

1 解答 (1) -3 (2) $6a-7b$ (3) $2y^2$ (4) 21 (5) $-11x+8$

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

$$\begin{aligned} (2) \quad & 3(4a-3b)-6\left(a-\frac{1}{3}b\right) \\ & = 12a-9b-6a+2b \\ & = 6a-7b \end{aligned}$$

$$\begin{aligned} (3) \quad & 4x^2y \times 3y \div 6x^2 \\ & = \frac{4x^2y \times 3y}{6x^2} \\ & = 2y^2 \end{aligned}$$

$$\begin{aligned} (4) \quad & (2\sqrt{5}+1)(2\sqrt{5}-1) + \frac{\sqrt{12}}{\sqrt{3}} \\ & = (2\sqrt{5})^2 - 1^2 + \sqrt{4} \\ & = 20 - 1 + 2 \\ & = 21 \end{aligned}$$

$$\begin{aligned} (5) \quad & (x-4)(x-3) - (x+2)^2 \\ & = x^2 - 7x + 12 - (x^2 + 4x + 4) \\ & = x^2 - 7x + 12 - x^2 - 4x - 4 \\ & = -11x + 8 \end{aligned}$$