

1 解答 (1) -2 (2) $\frac{4x+7y}{12}$ (3) $-\frac{2a}{b^2}$ (4) $2\sqrt{3}$

$$\begin{aligned} (1) \quad & -5-4+7 \\ & = -9+7 \\ & = -2 \end{aligned}$$

$$\begin{aligned} (2) \quad & \frac{2x+y}{4} - \frac{x-2y}{6} \\ & = \frac{3(2x+y) - 2(x-2y)}{12} \\ & = \frac{6x+3y-2x+4y}{12} \\ & = \frac{4x+7y}{12} \end{aligned}$$

$$\begin{aligned} (3) \quad & 24a^2b^2 \div (-6b^3) \div 2ab \\ & = -\frac{24a^2b^2}{6b^3 \times 2ab} \\ & = -\frac{2a}{b^2} \end{aligned}$$

$$\begin{aligned} (4) \quad & \sqrt{75} - \frac{9}{\sqrt{3}} \\ & = 5\sqrt{3} - 3\sqrt{3} \\ & = 2\sqrt{3} \end{aligned}$$