

1 解答 (1)  $-6$  (2)  $1$  (3)  $-6x^2y$  (4)  $\frac{x-4y}{3}$  (5)  $-1+\sqrt{5}$

$$\begin{aligned} (1) \quad & -1-5 \\ & = -6 \end{aligned}$$

$$\begin{aligned} (2) \quad & (-3)^2+4\times(-2) \\ & = 9-8 \\ & = 1 \end{aligned}$$

$$\begin{aligned} (3) \quad & 10xy^2\div(-5y)\times 3x \\ & = -\frac{10xy^2\times 3x}{5y} \\ & = -6x^2y \end{aligned}$$

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

$$\begin{aligned} (5) \quad & (\sqrt{5}+3)(\sqrt{5}-2) \\ & = (\sqrt{5})^2+(3-2)\sqrt{5}+3\times(-2) \\ & = 5+\sqrt{5}-6 \\ & = -1+\sqrt{5} \end{aligned}$$