

1 解答 (1) 2 (2)  $x-y$  (3)  $(x+7)(x-4)$  (4)  $9+2\sqrt{14}$

$$\begin{aligned}(1) \quad & 4+6 \div (-3) \\ & = 4-2 \\ & = 2\end{aligned}$$

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

$$\begin{aligned}(3) \quad & x^2+3x-28 \\ & = x^2+(7-4)x+7 \times (-4) \\ & = (x+7)(x-4)\end{aligned}$$

$$\begin{aligned}(4) \quad & (\sqrt{2}+\sqrt{7})^2 \\ & = (\sqrt{2})^2+2 \times \sqrt{2} \times \sqrt{7}+(\sqrt{7})^2 \\ & = 2+2\sqrt{14}+7 \\ & = 9+2\sqrt{14}\end{aligned}$$