

1 [解答] (1) 660 (2) 15 (3)  $\frac{5x+9y}{8}$  (4)  $2a+1$  (5)  $9x-49$  (6)  $6-\sqrt{5}$

$$\begin{aligned} (1) \quad & 600 \times 1.1 \\ & = 660 \end{aligned}$$

$$\begin{aligned} (2) \quad & 6 + (-3)^2 \\ & = 6 + 9 \\ & = 15 \end{aligned}$$

$$\begin{aligned} (3) \quad & \frac{9x+5y}{8} - \frac{x-y}{2} \\ & = \frac{9x+5y-4(x-y)}{8} \\ & = \frac{9x+5y-4x+4y}{8} \\ & = \frac{5x+9y}{8} \end{aligned}$$

$$\begin{aligned} (4) \quad & (8a^3b^2+4a^2b^2) \div (2ab)^2 \\ & = (8a^3b^2+4a^2b^2) \div (4a^2b^2) \\ & = \frac{8a^3b^2}{4a^2b^2} + \frac{4a^2b^2}{4a^2b^2} \\ & = 2a+1 \end{aligned}$$

$$\begin{aligned} (5) \quad & (3x+7)(3x-7)-9x(x-1) \\ & = (3x)^2-7^2-9x \times x-9x \times (-1) \\ & = 9x^2-49-9x^2+9x \\ & = 9x-49 \end{aligned}$$

$$\begin{aligned} (6) \quad & (\sqrt{5}+1)^2-\sqrt{45} \\ & = (\sqrt{5})^2+2 \times \sqrt{5} \times 1+1^2-3\sqrt{5} \\ & = 5+2\sqrt{5}+1-3\sqrt{5} \\ & = 6-\sqrt{5} \end{aligned}$$