

入試対策プリント (計算等基本問題) 2日目 解答と解説

【解答】 (1) 2 (2) -5 (3) $\frac{4}{5}y$ (4) $-4a^2+18$ (5) $-\sqrt{3}$

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

$$\begin{aligned}(2) \quad & \left(\frac{1}{4} - \frac{2}{3}\right) \times 12 \\ & = \frac{1}{4} \times 12 - \frac{2}{3} \times 12 \\ & = 3 - 8 \\ & = -5\end{aligned}$$

$$\begin{aligned}(3) \quad & 4x \times \frac{2}{5}xy \div 2x^2 \\ & = \frac{4x \times 2xy}{5 \times 2x^2} \\ & = \frac{4}{5}y\end{aligned}$$

$$\begin{aligned}(4) \quad & (-2a + 3)(2a + 3) + 9 \\ & = -4a^2 + 9 + 9 \\ & = -4a^2 + 18\end{aligned}$$

$$\begin{aligned}(5) \quad & \sqrt{24} \div \sqrt{8} - \sqrt{12} \\ & = \sqrt{\frac{24}{8}} - 2\sqrt{3} \\ & = \sqrt{3} - 2\sqrt{3} \\ & = -\sqrt{3}\end{aligned}$$