

入試対策プリント（計算等基本問題） 20日目 解答と解説

【解答】 (1) -19 (2) $5a - 2b$ (3) $\frac{5x - 3y}{14}$ (4) $9\sqrt{7}$ (5) 23 (6) $x = -3, 7$

$$\begin{aligned} (1) \quad & 5 + (-3) \times 8 \\ & = 5 - 24 \\ & = -19 \end{aligned}$$

$$\begin{aligned} (2) \quad & (45a^2 - 18ab) \div 9a \\ & = \frac{45a^2}{9a} - \frac{18ab}{9a} \\ & = 5a - 2b \end{aligned}$$

$$\begin{aligned} (3) \quad & \frac{x - y}{2} - \frac{x + 3y}{7} \\ & = \frac{7(x - y)}{14} + \frac{-2(x + 3y)}{14} \\ & = \frac{7x - 7y - 2x - 6y}{14} \\ & = \frac{5x - 13y}{14} \end{aligned}$$

$$\begin{aligned} (4) \quad & \frac{42}{\sqrt{7}} + \sqrt{63} \\ & = 6\sqrt{7} + 3\sqrt{7} \\ & = 9\sqrt{7} \end{aligned}$$

$$\begin{aligned} (5) \quad & (3a + 4)^2 - 9a(a + 2) = 9a^2 + 24a + 16 - 9a^2 - 18a \\ & = 6a + 16 \\ & = 6 \times \frac{7}{6} + 16 = 23 \end{aligned}$$

$$\begin{aligned} (6) \quad & x^2 + x = 21 + 5x \\ & x^2 - 4x - 21 = 0 \\ & (x - 7)(x + 3) = 0 \\ & x = -3, 7 \end{aligned}$$