

入試対策プリント（計算等基本問題） 13日目 解答と解説

【解答】 (1) 11    (2)  $-13ab$     (3)  $9\sqrt{7}$     (4)  $\frac{9x+2y}{12}$     (5)  $2-3\sqrt{2}$

$$\begin{aligned} (1) \quad & 2 - (-9) \\ & = 2 + 9 \\ & = 11 \end{aligned}$$

$$\begin{aligned} (2) \quad & 52a^2b \div (-4a) \\ & = -\frac{52a^2b}{4a} \\ & = -13ab \end{aligned}$$

$$\begin{aligned} (3) \quad & \sqrt{28} + \frac{49}{\sqrt{7}} \\ & = 2\sqrt{7} + 7\sqrt{7} \\ & = 9\sqrt{7} \end{aligned}$$

$$\begin{aligned} (4) \quad & \frac{3x-y}{3} - \frac{x-2y}{4} \\ & = \frac{3x-y}{3} + \frac{-x+2y}{4} \\ & = \frac{4(3x-y) + 3(-x+2y)}{12} \\ & = \frac{12x-4y-3x+6y}{12} \\ & = \frac{9x+2y}{12} \end{aligned}$$

$$\begin{aligned} (5) \quad & (\sqrt{2}+1)^2 - 5(\sqrt{2}+1) + 4 \\ & M = \sqrt{2}+1 \text{ とおく} \\ & M^2 - 5M + 4 = (M-1)(M-4) \\ & \quad = (\sqrt{2}+1-1)(\sqrt{2}+1-4) \\ & \quad = \sqrt{2}(\sqrt{2}-3) \\ & \quad = 2-3\sqrt{2} \end{aligned}$$