

入試対策プリント（計算等基本問題） 30日目 解答と解説

【解答】 (1) 11 (2) $\frac{a+10}{6}$ (3) 0 (4) $(a+10)(a-2)$ (5) $x = \frac{5 \pm \sqrt{13}}{6}$

$$\begin{aligned} (1) \quad & 5 - 2 \times (-3) \\ & = 5 + 6 \\ & = 11 \end{aligned}$$

$$\begin{aligned} (2) \quad & \frac{2a+5}{3} - \frac{a}{2} \\ & = \frac{2(2a+5) - 3a}{6} \\ & = \frac{4a+10-3a}{6} \\ & = \frac{a+10}{6} \end{aligned}$$

$$\begin{aligned} (3) \quad & \sqrt{45} + 2\sqrt{5} - \sqrt{125} \\ & = 3\sqrt{5} + 2\sqrt{5} - 5\sqrt{5} \\ & = 0 \end{aligned}$$

$$\begin{aligned} (4) \quad & a^2 + 8a - 20 \\ & = (a+10)(a-2) \end{aligned}$$

$$(5) \quad 3x^2 - 5x + 1 = 0$$

解の公式より

$$x = \frac{5 \pm \sqrt{(-5)^2 - 4 \times 3 \times 1}}{2 \times 3}$$

$$x = \frac{5 \pm \sqrt{25 - 12}}{6}$$

$$x = \frac{5 \pm \sqrt{13}}{6}$$