

入試対策プリント（計算等基本問題）5日目 解答と解説

【解答】 (1) 0.6 (2) $3\sqrt{2}$ (3) -9 (4) $x=4$ (5) $x=-1, y=1$

$$\begin{aligned}(1) \quad & 1 + (-0.2) \times 2 \\ & = 1 - 0.4 \\ & = 0.6\end{aligned}$$

$$\begin{aligned}(2) \quad & \frac{6}{\sqrt{2}} = \frac{6 \times \sqrt{2}}{\sqrt{2} \times \sqrt{2}} \\ & = \frac{6\sqrt{2}}{2} \\ & = 3\sqrt{2}\end{aligned}$$

$$\begin{aligned}(3) \quad & 3(a - 2b) - 5(3a - b) = 3a - 6b - 15a + 5b \\ & = -12a - b \\ & = -12 \times \frac{1}{2} - 3 \\ & = -6 - 3 \\ & = -9\end{aligned}$$

$$\begin{aligned}(4) \quad & \frac{2x + 4}{3} = 4 \\ & 2x + 4 = 12 \\ & 2x = 8 \\ & x = 4\end{aligned}$$

$$(5) \quad \begin{cases} 2x - 3y = -5 \\ x = -5y + 4 \end{cases}$$

代入法で解くと、

$$\begin{aligned}2(-5y + 4) - 3y &= -5 \\ -10y + 8 - 3y &= -5 \\ y &= 1 \\ x &= -5 \times 1 + 4 \\ x &= -1\end{aligned}$$