

入試対策プリント（計算等基本問題） 23日目 解答と解説

【解答】 (1) $\frac{23}{20}a$ (2) $x=2, y=1$ (3) $2\sqrt{3}-3\sqrt{2}$ (4) $x=3, 4$ (5) $-12x^3y$

$$\begin{aligned}(1) \quad & \frac{7}{4}a - \frac{3}{5}a \\ &= \frac{35}{20}a - \frac{12}{20}a \\ &= \frac{23}{20}a\end{aligned}$$

$$\begin{aligned}(2) \quad & \begin{cases} 2x - 3y = 1 \\ 3x + 2y = 8 \end{cases} \\ & \quad 4x - 6y = 2 \\ & + \quad 9x + 6y = 24 \\ & \hline & \quad 13x = 26 \\ & \quad x = 2 \\ & \quad 2 \times 2 - 3y = 1 \\ & \quad -3y = -3 \\ & \quad y = 1\end{aligned}$$

$$\begin{aligned}(3) \quad & \sqrt{3}(2 - \sqrt{6}) \\ &= 2\sqrt{3} - \sqrt{18} \\ &= 2\sqrt{3} - 3\sqrt{2}\end{aligned}$$

$$\begin{aligned}(4) \quad & x^2 - 7x + 12 = 0 \\ & (x-3)(x-4) = 0 \\ & x = 3, 4\end{aligned}$$

$$\begin{aligned}(5) \quad & x^3 \times (6xy)^2 \div (-3x^2y) \\ &= -\frac{x^3 \times 36x^2y^2}{3x^2y} \\ &= -12x^3y\end{aligned}$$