

式の加法・減法

解答

1. 次の式を計算しなさい。

$$\begin{aligned}
 (1) \quad & 2(4x - y) + 2(x - 3y) \\
 &= 8x - 2y + 2x - 6y \\
 &= 10x - 8y
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & 3(2a - b) - 2(a - 4b) \\
 &= 6a - 3b - 2a + 8b \\
 &= 4a + 5b
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad & 4(a - 4) + 2(6a - b - 3) \\
 &= 4a - 16 + 12a - 2b - 6 \\
 &= 16a - 2b - 22
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & 5(4x + y) - 5(x - 5y + 5) \\
 &= 20x + 5y - 5x + 25y - 25 \\
 &= 15x + 30y - 25
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad & \frac{1}{2}(x + 5y) + \frac{1}{2}(4x - 4y) \\
 &= \frac{5}{2}x + \frac{9}{2}y
 \end{aligned}$$

$$\begin{aligned}
 (6) \quad & \frac{x - 3y}{2} - \frac{4x + 2y}{5} \\
 &= -\frac{3}{10}x - \frac{19}{10}y
 \end{aligned}$$

2. $x = -8$, $y = -3$ のとき, 次の式の値を求めなさい。

$$\begin{aligned}
 (1) \quad & 2x - 5y \\
 &= 2 \times (-8) - 5 \times (-3) \\
 &= -16 + 15 \\
 &= -1
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & -x + 5y \\
 &= -1 \times (-8) + 5 \times (-3) \\
 &= 8 - 15 \\
 &= -7
 \end{aligned}$$