

1 次の計算をなさい。

① $6(2x + 3y) + 4(5x - 9y)$

② $2(6x - 4y) + 7(7x - 3y)$

③ $5(-8a + 6b) + 9(5a - 2b)$

④ $8(-3a - 5b) + 3(4a + 7b)$

⑤ $7(2x - 5y) + 5(-x + 4y)$

⑥ $4(3x + 9y + 5) + 3(4x + 2y + 7)$

⑦ $9(6x - 2y - 1) + 2(4x - 3y + 7)$

⑧ $6(-8a + 5b + 9) + 5(a - 2b - 6)$

⑨ $2(-4x + 2y - 3) + 4(7x - 5y + 9)$

⑩ $3(2a - 4b + 9) + 8(-6a + 3b - 5)$

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$$\begin{aligned} \textcircled{1} \quad & 6(2x + 3y) + 4(5x - 9y) \\ & = 12x + 18y + 20x - 36y \\ & = 32x - 18y \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & 2(6x - 4y) + 7(7x - 3y) \\ & = 12x - 8y + 49x - 21y \\ & = 61x - 29y \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & 5(-8a + 6b) + 9(5a - 2b) \\ & = -40a + 30b + 45a - 18b \\ & = 5a + 12b \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & 8(-3a - 5b) + 3(4a + 7b) \\ & = -24a - 40b + 12a + 21b \\ & = -12a - 19b \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & 7(2x - 5y) + 5(-x + 4y) \\ & = 14x - 35y - 5x + 20y \\ & = 9x - 15y \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & 4(3x + 9y + 5) + 3(4x + 2y + 7) \\ & = 12x + 36y + 20 + 12x + 6y + 21 \\ & = 24x + 42y + 41 \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad & 9(6x - 2y - 1) + 2(4x - 3y + 7) \\ & = 54x - 18y - 9 + 8x - 6y + 14 \\ & = 62x - 24y + 5 \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad & 6(-8a + 5b + 9) + 5(a - 2b - 6) \\ & = -48a + 30b + 54 + 5a - 10b - 30 \\ & = -43a + 20b - 24 \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad & 2(-4x + 2y - 3) + 4(7x - 5y + 9) \\ & = -8x + 4y - 6 + 28x - 20y + 36 \\ & = 20x - 16y + 30 \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad & 3(2a - 4b + 9) + 8(-6a + 3b - 5) \\ & = 6a - 12b + 27 - 48a + 24b - 40 \\ & = -42a + 12b - 13 \end{aligned}$$