

1 次の計算をなさい。

① $4(4x + 6y) + 2(9x - 8y)$

② $9(2x - 5y) + 3(8x - y)$

③ $5(-4a + 9b) + 7(6a - 3b)$

④ $2(-5a - 7b) + 8(8a + 2b)$

⑤ $7(x - 4y) + 3(-3x + 2y)$

⑥ $6(7x + 4y + 5) + 5(2x + 6y + 8)$

⑦ $4(4x - 3y - 1) + 2(2x - 7y + 9)$

⑧ $3(-5a + 3b + 8) + 8(2a - 7b - 1)$

⑨ $9(-2x + 5y - 3) + 5(4x - 7y + 8)$

⑩ $2(5a - 3b + 7) + 3(-9a + 2b - 6)$

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$$\begin{aligned}\textcircled{1} \quad & 4(4x + 6y) + 2(9x - 8y) \\ & = 16x + 24y + 18x - 16y \\ & = 34x + 8y\end{aligned}$$

$$\begin{aligned}\textcircled{2} \quad & 9(2x - 5y) + 3(8x - y) \\ & = 18x - 45y + 24x - 3y \\ & = 42x - 48y\end{aligned}$$

$$\begin{aligned}\textcircled{3} \quad & 5(-4a + 9b) + 7(6a - 3b) \\ & = -20a + 45b + 42a - 21b \\ & = 22a + 24b\end{aligned}$$

$$\begin{aligned}\textcircled{4} \quad & 2(-5a - 7b) + 8(8a + 2b) \\ & = -10a - 14b + 64a + 16b \\ & = 54a + 2b\end{aligned}$$

$$\begin{aligned}\textcircled{5} \quad & 7(x - 4y) + 3(-3x + 2y) \\ & = 7x - 28y - 9x + 6y \\ & = -2x - 22y\end{aligned}$$

$$\begin{aligned}\textcircled{6} \quad & 6(7x + 4y + 5) + 5(2x + 6y + 8) \\ & = 42x + 24y + 30 + 10x + 30y + 40 \\ & = 52x + 54y + 70\end{aligned}$$

$$\begin{aligned}\textcircled{7} \quad & 4(4x - 3y - 1) + 2(2x - 7y + 9) \\ & = 16x - 12y - 4 + 4x - 14y + 18 \\ & = 20x - 26y + 14\end{aligned}$$

$$\begin{aligned}\textcircled{8} \quad & 3(-5a + 3b + 8) + 8(2a - 7b - 1) \\ & = -15a + 9b + 24 + 16a - 56b - 8 \\ & = a - 47b + 16\end{aligned}$$

$$\begin{aligned}\textcircled{9} \quad & 9(-2x + 5y - 3) + 5(4x - 7y + 8) \\ & = -18x + 45y - 27 + 20x - 35y + 40 \\ & = 2x + 10y + 13\end{aligned}$$

$$\begin{aligned}\textcircled{10} \quad & 2(5a - 3b + 7) + 3(-9a + 2b - 6) \\ & = 10a - 6b + 14 - 27a + 6b - 18 \\ & = -17a - 4\end{aligned}$$