

1 次の計算をなさい。

① $6(3x + 5y) + 8(2x - 7y)$

② $5(6x - 9y) + 2(2x - 3y)$

③ $3(-8a + 6b) + 7(5a - 7b)$

④ $4(-2a - 9b) + 8(6a + 3b)$

⑤ $9(3x - 5y) + 5(-6x + 4y)$

⑥ $2(6x + 2y + 1) + 6(8x + 4y + 9)$

⑦ $3(2x - 5y - 9) + 8(3x - 7y + 1)$

⑧ $6(-4a + 2b + 7) + 9(6a - 8b - 3)$

⑨ $8(-2x + 5y - 6) + 3(8x - 3y + 7)$

⑩ $6(7a - 5b + 2) + 2(-8a + 4b - 3)$

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$$\begin{aligned}\textcircled{1} \quad & 6(3x+5y)+8(2x-7y) \\ & = 18x+30y+16x-56y \\ & = 34x-26y\end{aligned}$$

$$\begin{aligned}\textcircled{2} \quad & 5(6x-9y)+2(2x-3y) \\ & = 30x-45y+4x-6y \\ & = 34x-51y\end{aligned}$$

$$\begin{aligned}\textcircled{3} \quad & 3(-8a+6b)+7(5a-7b) \\ & = -24a+18b+35a-49b \\ & = 11a+31b\end{aligned}$$

$$\begin{aligned}\textcircled{4} \quad & 4(-2a-9b)+8(6a+3b) \\ & = -8a-36b+48a+24b \\ & = 40a-12b\end{aligned}$$

$$\begin{aligned}\textcircled{5} \quad & 9(3x-5y)+5(-6x+4y) \\ & = 27x-45y-30x+20y \\ & = -3x-25y\end{aligned}$$

$$\begin{aligned}\textcircled{6} \quad & 2(6x+2y+1)+6(8x+4y+9) \\ & = 12x+4y+2+48x+24y+54 \\ & = 60x+28y+56\end{aligned}$$

$$\begin{aligned}\textcircled{7} \quad & 3(2x-5y-9)+8(3x-7y+1) \\ & = 6x-15y-27+24x-56y+8 \\ & = 30x-71y-19\end{aligned}$$

$$\begin{aligned}\textcircled{8} \quad & 6(-4a+2b+7)+9(6a-8b-3) \\ & = -24a+12b+42+54a-72b-27 \\ & = 30a-60b+15\end{aligned}$$

$$\begin{aligned}\textcircled{9} \quad & 8(-2x+5y-6)+3(8x-3y+7) \\ & = -16x+40y-48+24x-9y+21 \\ & = 8x+31y-27\end{aligned}$$

$$\begin{aligned}\textcircled{10} \quad & 6(7a-5b+2)+2(-8a+4b-3) \\ & = 42a-30b+12-16a+8b-6 \\ & = 26a-22b+6\end{aligned}$$