

多項式の加法・減法

次の計算をしましょう。

$$\textcircled{1} \quad (2 x - 4 y + 7) + (9 x - 7 y - 9)$$

$$\textcircled{2} \quad (4 x + 8 y + 6) - (7 x - 7 y + 8)$$

$$\textcircled{3} \quad (7 x - 6 y + 8) + (4 x - 5 y - 8)$$

$$\textcircled{4} \quad (8 x + 8 y + 9) - (11 x + 4 y - 3)$$

$$\textcircled{5} \quad (7 x + 6 y + 5) + (6 x + 5 y + 4)$$

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$$\begin{aligned}\textcircled{1} \quad & (2x - 4y + 7) + (9x - 7y - 9) \\ & = 2x + 9x - 4y - 7y + 7 - 9 \\ & = 11x - 11y - 2\end{aligned}$$

$$\begin{aligned}\textcircled{2} \quad & (4x + 8y + 6) - (7x - 7y + 8) \\ & = 4x - 7x + 8y + 7y + 6 - 8 \\ & = -3x + 15y - 2\end{aligned}$$

$$\begin{aligned}\textcircled{3} \quad & (7x - 6y + 8) + (4x - 5y - 8) \\ & = 7x + 4x - 6y - 5y + 8 - 8 \\ & = 11x - 11y - 0\end{aligned}$$

$$\begin{aligned}\textcircled{4} \quad & (8x + 8y + 9) - (11x + 4y - 3) \\ & = 8x - 11x + 8y - 4y + 9 + 3 \\ & = -3x + 4y + 12\end{aligned}$$

$$\begin{aligned}\textcircled{5} \quad & (7x + 6y + 5) + (6x + 5y + 4) \\ & = 7x + 6x + 6y + 5y + 5 + 4 \\ & = 13x + 11y + 9\end{aligned}$$