

多項式の減法

次の計算をしましょう。

$$\textcircled{1} \quad (7 x - 2 y - 4) - (2 x + 4 y + 6)$$

$$\textcircled{2} \quad (9 x + 3 y - 5) - (11 x - 4 y - 7)$$

$$\textcircled{3} \quad (4 x + 3 y + 9) - (7 x - 8 y + 8)$$

$$\textcircled{4} \quad (7 x + 9 y - 3) - (11 x + 4 y - 3)$$

$$\textcircled{5} \quad (7 x + 4 y - 5) - (11 x - 9 y + 6)$$

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$$\begin{aligned}\textcircled{1} \quad & (7x - 2y - 4) - (2x + 4y + 6) \\ & = 7x - 2x - 2y - 4y - 4 - 6 \\ & = 5x - 6y - 10\end{aligned}$$

$$\begin{aligned}\textcircled{2} \quad & (9x + 3y - 5) - (11x - 4y - 7) \\ & = 9x - 11x + 3y + 4y - 5 + 7 \\ & = -2x + 7y + 2\end{aligned}$$

$$\begin{aligned}\textcircled{3} \quad & (4x + 3y + 9) - (7x - 8y + 8) \\ & = 4x - 7x + 3y + 8y + 9 - 8 \\ & = -3x + 11y + 1\end{aligned}$$

$$\begin{aligned}\textcircled{4} \quad & (7x + 9y - 3) - (11x + 4y - 3) \\ & = 7x - 11x + 9y - 4y - 3 + 3 \\ & = -4x + 5y\end{aligned}$$

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