

多項式の減法

次の計算をしましょう。

$$\textcircled{1} \quad (9 x + 8 y - 8) - (12 x + 3 y - 3)$$

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

$$\textcircled{3} \quad (8 x + 7 y - 3) - (12 x - 7 y - 9)$$

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

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

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$$\begin{aligned}\textcircled{1} \quad & (9x + 8y - 8) - (12x + 3y - 3) \\ & = 9x - 12x + 8y - 3y - 8 + 3 \\ & = -3x + 5y - 5\end{aligned}$$

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

$$\begin{aligned}\textcircled{3} \quad & (8x + 7y - 3) - (12x - 7y - 9) \\ & = 8x - 12x + 7y + 7y - 3 + 9 \\ & = -4x + 14y + 6\end{aligned}$$

$$\begin{aligned}\textcircled{4} \quad & (7x + 5y - 7) - (9x - 5y + 5) \\ & = 7x - 9x + 5y + 5y - 7 - 5 \\ & = -2x + 10y - 12\end{aligned}$$

$$\begin{aligned}\textcircled{5} \quad & (6x + 6y - 7) - (8x + 8y + 8) \\ & = 6x - 8x + 6y - 8y - 7 - 8 \\ & = -2x - 2y - 15\end{aligned}$$