

ちょっと難問(ひっかけ)も。

復習

$(x+a)(x+b)$ の公式は
大前提... 「前が同じ」

STEP ① 前 × 前

② (後3 + 後3) × 前

③ 後3 × 後3

$$\textcircled{1} \quad \begin{array}{c} \textcircled{1} \quad \textcircled{3} \\ \underbrace{(x + 2y)(x - 4y)}_{\textcircled{2} -2y \times x} \end{array}$$

$$= \underline{x^2 - 2xy - 8y^2} //$$

$$\textcircled{2} \quad \begin{array}{c} \textcircled{1} \quad \textcircled{3} \\ \underbrace{(2x - 3)(2x + 6)}_{\textcircled{2} 3 \times 2x} \end{array}$$

$$= \underline{4x^2 + 6x - 18} //$$

$$\textcircled{3} \quad \begin{array}{c} \textcircled{1} \quad \textcircled{3} \\ \underbrace{(x + y)(x + 3y)}_{\textcircled{2} 4y \times x} \end{array}$$

$$= \underline{x^2 + 4xy + 3y^2} //$$

$$\textcircled{4} \quad \begin{array}{c} \textcircled{1} \quad \textcircled{3} \\ \underbrace{(x - 7y)(x + 3y)}_{\textcircled{2} -4y \times x} \end{array}$$

$$= \underline{x^2 - 4xy - 21y^2} //$$

$$\textcircled{5} \quad \begin{array}{c} \textcircled{1} \quad \textcircled{3} \\ \underbrace{(3x - 6)(3x + 2)}_{\textcircled{2} -4 \times 3x} \end{array}$$

$$= \underline{9x^2 - 12x - 12} //$$

$$\textcircled{6} \quad \begin{array}{c} \textcircled{1} \quad \textcircled{3} \\ \underbrace{(4x - y)(4x + 5y)}_{\textcircled{2} 4y \times 4x} \end{array}$$

$$= \underline{16x^2 + 16xy - 5y^2} //$$