

氏名 () 点数 _____

$$\begin{aligned} (1) \quad & (x+3)^2 \\ & = x^2 + 2 \times x \times 3 + 3^2 \\ & = \underline{x^2 + 6x + 9} \end{aligned}$$

$$\begin{aligned} (2) \quad & (x-4)^2 \\ & = x^2 - 2 \times x \times 4 + 4^2 \\ & = \underline{x^2 - 8x + 16} \end{aligned}$$

$$\begin{aligned} (3) \quad & (2x+1)^2 \\ & = (2x)^2 + 2 \times 2x \times 1 + 1^2 \\ & = \underline{4x^2 + 4x + 1} \end{aligned}$$

$$\begin{aligned} (4) \quad & (3x-4)^2 \\ & = (3x)^2 - 2 \times 3x \times 4 + 4^2 \\ & = \underline{9x^2 - 24x + 16} \end{aligned}$$

$$\begin{aligned} (5) \quad & (x-5)(x+5) \\ & = x^2 - 5^2 \\ & = \underline{x^2 - 25} \end{aligned}$$

$$\begin{aligned} (6) \quad & (x+3)(x-3) \\ & = x^2 - 3^2 \\ & = \underline{x^2 - 9} \end{aligned}$$

$$\begin{aligned} (7) \quad & (a-b)(a+b) \\ & = \underline{a^2 - b^2} \end{aligned}$$

$$\begin{aligned} (8) \quad & (2x+y)(2x-y) \\ & = (2x)^2 - y^2 \\ & = \underline{4x^2 - y^2} \end{aligned}$$

$$\begin{aligned} (9) \quad & (5x+3y)(5x-3y) \\ & = (5x)^2 - (3y)^2 \\ & = \underline{25x^2 - 9y^2} \end{aligned}$$

$$\begin{aligned} (10) \quad & (2a-3b)^2 \\ & = (2a)^2 - 2 \times 2a \times 3b + (3b)^2 \\ & = \underline{4a^2 - 12ab + 9b^2} \end{aligned}$$