

1 次の計算をなさい。

①  $x(3y+4)$

②  $5a(2a-4b)$

2 次の計算をなさい。

①  $(2x+3) \times (-4x)$

②  $(a-2) \times (-3a)$

3 次の計算をなさい。

①  $x(2x+y-1)$

②  $2a(3a+5b+3)$

③  $4a(2ab+a-6)$

④  $3x(5xy-7x+6y)$

4 次の計算をなさい。

①  $(5x+4y+2) \times (-x)$

②  $(3x+5y-2) \times (-2x)$

③  $(4ab-6a+5) \times (-3a)$

④  $(2ab-a-3b) \times (-5a)$

1 次の計算をなさい。

$$\begin{aligned} \textcircled{1} \quad & x(3y+4) \\ & = x \times 3y + x \times 4 \\ & = 3xy + 4x \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & 5a(2a-4b) \\ & = 5a \times 2a + 5a \times (-4b) \\ & = 10a^2 - 20ab \end{aligned}$$

2 次の計算をなさい。

$$\begin{aligned} \textcircled{1} \quad & (2x+3) \times (-4x) \\ & = 2x \times (-4x) + 3 \times (-4x) \\ & = -8x^2 - 12x \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & (a-2) \times (-3a) \\ & = a \times (-3a) - 2 \times (-3a) \\ & = -3a^2 + 6a \end{aligned}$$

3 次の計算をなさい。

$$\begin{aligned} \textcircled{1} \quad & x(2x+y-1) \\ & = x \times 2x + x \times y + x \times (-1) \\ & = 2x^2 + xy - x \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & 2a(3a+5b+3) \\ & = 2a \times 3a + 2a \times 5b + 2a \times 3 \\ & = 6a^2 + 10ab + 6a \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & 4a(2ab+a-6) \\ & = 4a \times 2ab + 4a \times a + 4a \times (-6) \\ & = 8a^2b + 4a^2 - 24a \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & 3x(5xy-7x+6y) \\ & = 3x \times 5xy + 3x \times (-7x) + 3x \times 6y \\ & = 15x^2y - 21x^2 + 18xy \end{aligned}$$

4 次の計算をなさい。

$$\begin{aligned} \textcircled{1} \quad & (5x+4y+2) \times (-x) \\ & = 5x \times (-x) + 4y \times (-x) + 2 \times (-x) \\ & = -5x^2 - 4xy - 2x \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & (3x+5y-2) \times (-2x) \\ & = 3x \times (-2x) + 5y \times (-2x) - 2 \times (-2x) \\ & = -6x^2 - 10xy + 4x \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & (4ab-6a+5) \times (-3a) \\ & = 4ab \times (-3a) - 6a \times (-3a) + 5 \times (-3a) \\ & = -12a^2b + 18a^2 - 15a \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & (2ab-a-3b) \times (-5a) \\ & = 2ab \times (-5a) - a \times (-5a) - 3b \times (-5a) \\ & = -10a^2b + 5a^2 + 15ab \end{aligned}$$