

1 次の計算をなさい。

① $a(b+4)$

② $x(2y+3)$

③ $2x(4x+5)$

④ $5a(a+4b)$

⑤ $6x(2xy+2y)$

⑥ $4a(3ab+7b)$

2 次の計算をなさい。

① $(2x+1) \times (-3x)$

② $(5a-3) \times (-2a)$

③ $(7x-2y) \times (-5x)$

④ $(4y+2) \times (-4x)$

⑤ $(3xy-6y) \times (-2x)$

⑥ $(9x+5y) \times (-7x)$

1 次の計算をなさい。

$$\begin{aligned} \textcircled{1} \quad a(b+4) \\ &= a \times b + a \times 4 \\ &= ab + 4a \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad x(2y+3) \\ &= x \times 2y + x \times 3 \\ &= 2xy + 3x \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad 2x(4x+5) \\ &= 2x \times 4x + 2x \times 5 \\ &= 8x^2 + 10x \end{aligned}$$

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

$$\begin{aligned} \textcircled{5} \quad 6x(2xy+2y) \\ &= 6x \times 2xy + 6x \times 2y \\ &= 12x^2y + 12xy \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 4a(3ab+7b) \\ &= 4a \times 3ab + 4a \times 7b \\ &= 12a^2b + 28ab \end{aligned}$$

2 次の計算をなさい。

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

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

$$\begin{aligned} \textcircled{3} \quad (7x-2y) \times (-5x) \\ &= 7x \times (-5x) - 2y \times (-5x) \\ &= -35x^2 + 10xy \end{aligned}$$

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

$$\begin{aligned} \textcircled{5} \quad (3xy-6y) \times (-2x) \\ &= 3xy \times (-2x) - 6y \times (-2x) \\ &= -6x^2y + 12xy \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad (9x+5y) \times (-7x) \\ &= 9x \times (-7x) + 5y \times (-7x) \\ &= -63x^2 - 35xy \end{aligned}$$