

1 次の計算をなさい。

①  $4x \times 6y$

②  $9a \times (-8b)$

③  $(-2x) \times (-5y)$

④  $8a^2 \times (-a)$

⑤  $(-4y) \times (-9x^2)$

⑥  $6x^2 \times (-3x^3)$

⑦  $(-5x)^2$

⑧  $-(7y)^2$

⑨  $8xy \times (-2y)^2$

⑩  $a \times (-4b)^2$

⑪  $-(3x)^2 \times 2y$

⑫  $(-7x)^2 \times (-4x)$

1 次の計算をなさい。

$$\begin{aligned} \textcircled{1} \quad & 4x \times 6y \\ & = 4 \times 6 \times x \times y \\ & = 24xy \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & 9a \times (-8b) \\ & = 9 \times (-8) \times a \times b \\ & = -72ab \end{aligned}$$

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

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

$$\begin{aligned} \textcircled{5} \quad & (-4y) \times (-9x^2) \\ & = (-4) \times (-9) \times y \times x^2 \\ & = 36x^2y \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & 6x^2 \times (-3x^3) \\ & = 6 \times (-3) \times x^2 \times x^3 \\ & = -18x^5 \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad & (-5x)^2 \\ & = (-5x) \times (-5x) \\ & = (-5) \times (-5) \times x \times x \\ & = 25x^2 \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad & -(7y)^2 \\ & = (-1) \times 7y \times 7y \\ & = (-1) \times 7 \times 7 \times y \times y \\ & = -49y^2 \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad & 8xy \times (-2y)^2 \\ & = 8xy \times (-2y) \times (-2y) \\ & = 8 \times (-2) \times (-2) \times xy \times y \times y \\ & = 32xy^3 \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad & a \times (-4b)^2 \\ & = a \times (-4b) \times (-4b) \\ & = (-4) \times (-4) \times a \times b \times b \\ & = 16ab^2 \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad & -(3x)^2 \times 2y \\ & = (-1) \times 3x \times 3x \times 2y \\ & = (-1) \times 3 \times 3 \times 2 \times x \times x \times y \\ & = -18x^2y \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad & (-7x)^2 \times (-4x) \\ & = (-7x) \times (-7x) \times (-4x) \\ & = (-7) \times (-7) \times (-4) \times x \times x \times x \\ & = -196x^3 \end{aligned}$$