

1 次の計算をなさい。

① $2x \times 4y$

② $8a \times (-5b)$

③ $(-7x) \times (-3y)$

④ $6a^2 \times (-4a)$

⑤ $(-2y) \times (-9x^2)$

⑥ $5x^2 \times (-4x^3)$

⑦ $(-7x)^2$

⑧ $-(3y)^2$

⑨ $2xy \times (-5y)^2$

⑩ $8a \times (-3b)^2$

⑪ $-(5x)^2 \times 2y$

⑫ $(-9x)^2 \times (-3x)$

1 次の計算をなさい。

$$\begin{aligned} \textcircled{1} \quad & 2x \times 4y \\ & = 2 \times 4 \times x \times y \\ & = 8xy \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & 8a \times (-5b) \\ & = 8 \times (-5) \times a \times b \\ & = -40ab \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & (-7x) \times (-3y) \\ & = (-7) \times (-3) \times x \times y \\ & = 21xy \end{aligned}$$

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

$$\begin{aligned} \textcircled{5} \quad & (-2y) \times (-9x^2) \\ & = (-2) \times (-9) \times y \times x^2 \\ & = 18x^2y \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & 5x^2 \times (-4x^3) \\ & = 5 \times (-4) \times x^2 \times x^3 \\ & = -20x^5 \end{aligned}$$

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

$$\begin{aligned} \textcircled{8} \quad & -(3y)^2 \\ & = (-1) \times 3y \times 3y \\ & = (-1) \times 3 \times 3 \times y \times y \\ & = -9y^2 \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad & 2xy \times (-5y)^2 \\ & = 2xy \times (-5y) \times (-5y) \\ & = 2 \times (-5) \times (-5) \times xy \times y \times y \\ & = 50xy^3 \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad & 8a \times (-3b)^2 \\ & = 8a \times (-3b) \times (-3b) \\ & = 8 \times (-3) \times (-3) \times a \times b \times b \\ & = 72ab^2 \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad & -(5x)^2 \times 2y \\ & = (-1) \times 5x \times 5x \times 2y \\ & = (-1) \times 5 \times 5 \times 2 \times x \times x \times y \\ & = -50x^2y \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad & (-9x)^2 \times (-3x) \\ & = (-9x) \times (-9x) \times (-3x) \\ & = (-9) \times (-9) \times (-3) \times x \times x \times x \\ & = -243x^3 \end{aligned}$$