

1 次の計算をなさい。

① $2x \times 3y$

② $5a \times (-9b)$

③ $(-6x) \times (-4y)$

④ $7a^2 \times (-3a)$

⑤ $(-6y) \times (-5x^2)$

⑥ $5x^2 \times (-2x^3)$

⑦ $(-3x)^2$

⑧ $-(5y)^2$

⑨ $4xy \times (-7y)^2$

⑩ $2a \times (-5b)^2$

⑪ $-(3x)^2 \times 9y$

⑫ $(-4x)^2 \times (-2x)$

1 次の計算をなさい。

$$\begin{aligned} \textcircled{1} \quad & 2x \times 3y \\ & = 2 \times 3 \times x \times y \\ & = 6xy \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & 5a \times (-9b) \\ & = 5 \times (-9) \times a \times b \\ & = -45ab \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & (-6x) \times (-4y) \\ & = (-6) \times (-4) \times x \times y \\ & = 24xy \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & 7a^2 \times (-3a) \\ & = 7 \times (-3) \times a^2 \times a \\ & = -21a^3 \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & (-6y) \times (-5x^2) \\ & = (-6) \times (-5) \times y \times x^2 \\ & = 30x^2y \end{aligned}$$

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

$$\begin{aligned} \textcircled{7} \quad & (-3x)^2 \\ & = (-3x) \times (-3x) \\ & = (-3) \times (-3) \times x \times x \\ & = 9x^2 \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad & -(5y)^2 \\ & = (-1) \times 5y \times 5y \\ & = (-1) \times 5 \times 5 \times y \times y \\ & = -25y^2 \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad & 4xy \times (-7y)^2 \\ & = 4xy \times (-7y) \times (-7y) \\ & = 4 \times (-7) \times (-7) \times xy \times y \times y \\ & = 196xy^3 \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad & 2a \times (-5b)^2 \\ & = 2a \times (-5b) \times (-5b) \\ & = 2 \times (-5) \times (-5) \times a \times b \times b \\ & = 50ab^2 \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad & -(3x)^2 \times 9y \\ & = (-1) \times 3x \times 3x \times 9y \\ & = (-1) \times 3 \times 3 \times 9 \times x \times x \times y \\ & = -81x^2y \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad & (-4x)^2 \times (-2x) \\ & = (-4x) \times (-4x) \times (-2x) \\ & = (-4) \times (-4) \times (-2) \times x \times x \times x \\ & = -32x^3 \end{aligned}$$