

開始日 /	終了日 /	解説 NO7	式の計算 NO7	NAME	8A
			中2 単項式×単項式-①		

A コース

B コース

C コース

D コース

$$\begin{aligned} \textcircled{1} \quad & 3a \times (-7b) \\ & = -21ab \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & (-2m) \times (-9n) \\ & = 18mn \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & (-5a) \times 3bc \\ & = -15abc \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & \frac{3}{4}x \times 6y \\ & = \frac{9}{2}y \end{aligned}$$

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

$$\begin{aligned} \textcircled{6} \quad & (-7x) \times (-4y) \\ & = 28xy \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad & (-9a) \times 8b \\ & = -72ab \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad & \frac{5}{8}x \times 12y \\ & = \frac{15}{2}xy \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad & \frac{8}{3}ab \times \left(-\frac{15}{16}c\right) \\ & = -\frac{5}{2}abc \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad & -\frac{3}{10}x \times \frac{5}{9}yz \\ & = -\frac{1}{6}xyz \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad & \frac{21}{20}m \times \left(-\frac{25}{14}n\right) \\ & = -\frac{15}{8}mn \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad & -\frac{9}{16}a \times \left(-\frac{20}{27}bc\right) \\ & = \frac{5}{12}abc \end{aligned}$$

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

$$\begin{aligned} \textcircled{2} \quad & a \times 5ab^2 \\ & = 5a^2b^2 \end{aligned}$$

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

$$\begin{aligned} \textcircled{4} \quad & -ab \times 6abc \\ & = -6a^2b^2c \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & -6x^2y \times 3x^2y \\ & = -18x^4y^2 \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & -7abc^3 \times 6b^2c \\ & = -42ab^3c^4 \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad & (-4mn^2) \times 9m^2n \\ & = -36m^3y^3 \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad & \frac{5}{6}xy^2 \times 8x^3y \\ & = \frac{20}{3}x^4y^3 \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad & \frac{3}{4}a^2b \times \left(-\frac{8}{15}a^3b^3\right) \\ & = -\frac{2}{5}a^5b^4 \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad & -\frac{4}{7}x^2y \times \frac{35}{12}y^2z \\ & = -\frac{5}{3}x^2y^3z \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad & \frac{1}{6}m^2n \times \left(-\frac{3}{5}m^2n^3\right) \\ & = -\frac{1}{10}m^4n^4 \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad & -\frac{3}{10}a^2b \times \frac{5}{24}ab^2 \\ & = -\frac{1}{16}a^3b^3 \end{aligned}$$

$$\begin{aligned} \textcircled{1} \quad & (-3a)^3 \\ & = (-3a) \times (-3a) \times (-3a) \\ & = -27a^3 \end{aligned}$$

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

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

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

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

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

$$\begin{aligned} \textcircled{7} \quad & (-3x^3y)^3 \\ & = (-3x^3y) \times (-3x^3y) \times (-3x^3y) \\ & = -27x^9y^3 \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad & \left(\frac{1}{4}mn^2\right)^2 \\ & = \left(\frac{1}{4}mn^2\right) \times \left(\frac{1}{4}mn^2\right) \\ & = \frac{1}{16}m^2n^4 \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad & \left(-\frac{4}{5}a^2b^3\right)^2 \\ & = \left(-\frac{4}{5}a^2b^3\right) \times \left(-\frac{4}{5}a^2b^3\right) \\ & = \frac{16}{25}a^4b^6 \end{aligned}$$

$$\begin{aligned} \textcircled{1} \quad & 3a^2 \times (-2b)^2 \\ & = 3a^2 \times (-2b) \times (-2b) \\ & = 12a^2b^2 \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & 4x^2y \times (-2x)^3 \\ & = 4x^2y \times (-2x) \times (-2x) \times (-2x) \\ & = -32x^5y \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & -m^2 \times (2mn)^2 \\ & = -m^2 \times (2mn) \times (2mn) \\ & = -4m^4n^2 \end{aligned}$$

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

$$\begin{aligned} \textcircled{5} \quad & 4a^2b \times (-2b^2)^2 \\ & = 4a^2b \times (-2b^2) \times (-2b^2) \\ & = 16a^2b^5 \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & (-3x^2)^2 \times (-2y^2) \\ & = (-3x^2) \times (-3x^2) \times (-2y^2) \\ & = -18x^4y^2 \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad & (-4x^2y)^2 \times (-xy^3) \\ & = (-4x^2y) \times (-4x^2y) \times (-xy^3) \\ & = -16x^5y^5 \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad & \left(\frac{x^2y}{3}\right)^2 \times y^3 \\ & = \left(\frac{x^2y}{3}\right) \times \left(\frac{x^2y}{3}\right) \times y^3 \\ & = \frac{x^4y^5}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad & \frac{1}{3}m^2 \times \left(-\frac{2}{5}mn^2\right)^2 \\ & = \frac{1}{3}m^2 \times \left(-\frac{2}{5}mn^2\right) \times \left(-\frac{2}{5}mn^2\right) \\ & = \frac{4}{75}m^4n^4 \end{aligned}$$