

◇単項式の乗法・除法

例(1) $4a^2b \times (-3a) \div 6ab$ 割り算はかけ算にする
 $= 4a^2b \times (-3a) \times \frac{1}{6ab}$ 符号を決めて1つの式にする
 $= \ominus \frac{\textcircled{2} 4a^2b \times 3a \times 1}{1 \times 1 \times 6ab}$
 $= -2a^2$

(2) $2x^3y \div \left(-\frac{1}{3}x^2y\right) \times \frac{5}{12}xy$
 $= 2x^3y \times \left(-\frac{3}{x^2y}\right) \times \frac{5}{12}xy$
 $= \ominus \frac{\cancel{2x^3y} \times 3 \times \textcircled{5xy}}{1 \times x^2y \times 12 \textcircled{2}}$
 $= -\frac{5x^2y}{2} \quad \left(-\frac{5}{2}x^2y\right)$

Ex. $(-2xy)^3 \div \left(-\frac{1}{3}x^2y\right) \times \frac{3}{4}y$ $\textcircled{12} \quad (-2xy) \times (-2xy) \times (-2xy)$ $\textcircled{12} \quad -\frac{x^2y}{3} \rightarrow -\frac{3}{x^2y}$
 $= (-8x^3y^3) \times \left(-\frac{3}{x^2y}\right) \times \frac{3}{4}y$
 $= \frac{\textcircled{2} \cancel{8x^3y^3} \times \textcircled{3} \times \textcircled{3y}}{1 \times x^2y \times 4}$
 $= 18xy^3$