

$$\textcircled{5} \quad \frac{3}{4}xy \div \frac{1}{4}y = \frac{3}{\cancel{4}}xy \times \frac{\cancel{4}^1}{1y} = \underline{3x}$$

$$\textcircled{6} \quad -12a^3 \div (-a) = \ominus 12a^{\cancel{3}^2} \times (\ominus \frac{1}{\cancel{a}}) = \underline{12a^2}$$

$$\textcircled{7} \quad 10a^2 \div (-2a^2) = \underline{-5}$$

$$\textcircled{8} \quad 6x^2y \div \frac{3}{2}xy = \frac{\overset{2}{\cancel{6}x^2y} \times 2}{1 \times \underset{1}{\cancel{3}xy}} = \underline{4x}$$

長い分数に1を
かけよ、と。

$$\textcircled{9} \quad (-9a + 12b) \div 3 = -9a \times \frac{1}{3} + 12b \times \frac{1}{3}$$

$$= \underline{-3a + 4b}$$

$$\textcircled{10} \quad (15x^2 - 5x + 30) \div (-5)$$

$$= 15x^2 \times (-\frac{1}{5}) - 5x \times (-\frac{1}{5}) + 30 \times (-\frac{1}{5})$$

$$= \underline{-3x^2 + x - 6}$$

$$\textcircled{11} \quad \frac{2}{3}xy^2 \div \frac{1}{9}xy \div 2x = \frac{\cancel{2}xy^2 \times 9^3 \times 1}{3 \times 1xy \times \cancel{2}x} = \underline{\frac{3}{x}y}$$

$$\textcircled{12} \quad -5x^2 \div 10x \times (-4x) = \frac{1 \times \cancel{5}x^2 \times 1 \times \cancel{4}x^2}{1 \times \cancel{10}x \times 1} = \underline{2x^2}$$

この式には \ominus が2つあるので、
答えは \oplus になるのに決まってる
から、もう符号のことは考えずに
計算すればよい