

## 2. 多項式と単項式の乗法・除法（分数）①

**1** 計算しなさい。

$$\textcircled{1} \frac{1}{3}x(6xy - 9z - 12)$$

$$\textcircled{2} (8a^2 + 6a - 4) \times \left(-\frac{3}{2}b\right)$$

$$\textcircled{3} (-42a^2 + 14a - 56) \times \left(+\frac{2}{7}a\right)$$

$$\textcircled{4} -\frac{x}{9}(27x + 63y - 45z)$$

$$\textcircled{5} (-a^3 + 2ab + a) \times \frac{2}{a}$$

$$\textcircled{6} (2x^3 - 6x^2y - 8x^2) \times \frac{3}{2x^2}$$

**2** 計算しなさい。

$$\textcircled{1} (8x^2 - 6x + 2) \div \frac{2}{y}$$

$$\textcircled{2} (12a^2 - 18a) \div \frac{6}{a}$$

$$\textcircled{3} (6x^2 - 8x) \div \frac{1}{2}x$$

$$\textcircled{4} (12a^2b - 18ab + 6ab^2) \div \frac{3}{2}ab$$

$$\textcircled{5} (4x^3 + 16x^2y - 24xz) \div \left(-\frac{4}{3}x\right)$$

$$\textcircled{6} (-2a^2bc + 8ab^2 + 6abc^2) \div \left(-\frac{2}{5}abc\right)$$