

第 2 回 (学校選択問題の計算対策) 解答

(1)

$$\begin{aligned}\frac{1}{3}a^3b^4 \div 2a^6b^7 \times 4abc \\&= \frac{a^3b^4 \times 4abc}{3 \times 2a^6b^7} \\&= \frac{2c}{3a^2b^2}\end{aligned}$$

(2)

$$\begin{aligned}\frac{1}{7}a^2b^3 \div \frac{a^7b^6}{8} \times 10a^7b^8 \\&= \frac{a^2b^3 \times 8 \times 10a^7b^8}{7 \times a^7b^6} \\&= \frac{80a^2b^5}{7}\end{aligned}$$

(3)

$$\begin{aligned}\frac{x^2y^3}{6} \div \frac{1}{4}x^2y^3 \times -\frac{1}{4x^3} \div (-12xy)^2 \\&= -\frac{x^2y^3 \times 144x^2y^2}{6 \times 4x^2y^2 \times 4x^3} \\&= -\frac{6y^3}{x}\end{aligned}$$