

氏名 () 点数 _____

$$\begin{aligned} (1) \quad & 4a^2 \div 2a \\ &= \frac{4a^2}{2a} \\ &= \underline{2a} \end{aligned}$$

$$\begin{aligned} (2) \quad & -4x^5 \div 8x^7 \\ &= -\frac{4x^5}{8x^7} \\ &= -\frac{1}{2x^2} \end{aligned}$$

$$\begin{aligned} (3) \quad & \left(-\frac{3}{4}a^3b^2\right) \div \frac{3}{2}ab \\ &= -\frac{3a^3b^2 \times 2}{4 \times 3ab} \\ &= -\frac{a^2b}{2} \end{aligned}$$

$$\begin{aligned} (4) \quad & \left(-\frac{2}{3}x^2y\right) \div \left(-\frac{5}{3}xy^2\right) \\ &= \frac{2x^2y \times 3}{3 \times 5xy^2} \\ &= \underline{\frac{2x}{5y}} \end{aligned}$$

$$\begin{aligned} (5) \quad & \frac{10}{3}x^2y \div \left(-\frac{5}{6}xy\right) \\ &= -\frac{10x^2y \times 6}{3 \times 5xy} \\ &= \underline{-4x} \end{aligned}$$

$$\begin{aligned} (6) \quad & \frac{5}{9}xy^3 \div \frac{10}{3}x^2y \\ &= \frac{5xy^3 \times 3}{9 \times 10x^2y} \\ &= \underline{\frac{y^2}{6x}} \end{aligned}$$

$$\begin{aligned} (7) \quad & (-9x^2y^2) \div 6x^2y \div (-x^3y) \\ &= \frac{9x^2y^2}{6x^2y \times x^3y} \\ &= \underline{\frac{3}{2x^3}} \end{aligned}$$

$$\begin{aligned} (8) \quad & (3xy^2 - 5x^2y) \div xy \\ &= (3xy^2 - 5x^2y) \times \frac{1}{xy} \\ &= \frac{3xy^2}{xy} - \frac{5x^2y}{xy} \\ &= \underline{3y - 5x} \end{aligned}$$

$$\begin{aligned} (9) \quad & 3x^2 \div \left(-\frac{3}{2}xy\right) \div 4xy \\ &= -\frac{3x^2 \times 2}{3xy \times 4xy} \\ &= -\frac{1}{2y^2} \end{aligned}$$

$$\begin{aligned} (10) \quad & (-7a^2b) \div (-14ab^3) \times (-6ab^2) \\ &= -\frac{7a^2b \times 6ab^2}{14ab^3} \\ &= \underline{-3a^2} \end{aligned}$$