

氏名 () 点数 _____

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

$$\begin{aligned} (2) \quad & -3x^5 \div 2x^6 \\ &= -\frac{3x^5}{2x^6} \\ &= \underline{-\frac{3}{2x}} \end{aligned}$$

$$\begin{aligned} (3) \quad & \left(-\frac{3}{8}a^3b^2\right) \div \frac{9}{2}a^2b^3 \\ &= -\frac{3a^3b^2 \times 2}{8 \times 9a^2b^3} \\ &= \underline{-\frac{a}{12b}} \end{aligned}$$

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

$$\begin{aligned} (5) \quad & 3x^2y \div \left(-\frac{5}{6}xy^2\right) \\ &= -\frac{3x^2y \times 6}{5xy^2} \\ &= \underline{-\frac{18x}{5y}} \end{aligned}$$

$$\begin{aligned} (6) \quad & \frac{5}{6}xy^3 \div \frac{1}{3}x^2y \\ &= \frac{5xy^3 \times 3}{6 \times 1x^2y} \\ &= \underline{\frac{5y^2}{2x}} \end{aligned}$$

$$\begin{aligned} (7) \quad & (-2x^2y^2) \div (-4x^2y) \div (-x^3y) \\ &= -\frac{2x^2y^2}{4x^2y \times x^3y} \\ &= \underline{-\frac{1}{2x^3}} \end{aligned}$$

$$\begin{aligned} (8) \quad & (4xy^2 - 3x^3y) \div xy \\ &= (4xy^2 - 3x^3y) \times \frac{1}{xy} \\ &= \frac{4xy^2}{xy} - \frac{3x^3y}{xy} \\ &= \underline{4y - 3x^2} \end{aligned}$$

$$\begin{aligned} (9) \quad & 6x^2 \div \left(-\frac{3}{2}xy\right)^2 \div 4xy \\ &= 6x^2 \div \frac{9}{4}x^2y^2 \div 4xy \\ &= \frac{6x^2 \times 4}{9x^2y^2 \times 4xy} \\ &= \underline{\frac{2}{3xy^3}} \end{aligned}$$

$$\begin{aligned} (10) \quad & (-2a^2b)^3 \div (-16ab^3) \times (-6ab^2) \\ &= (-8a^6b^3) \div (-16ab^3) \times (-6ab^2) \\ &= -\frac{8a^6b^3 \times 6ab^2}{16ab^3} \\ &= \underline{-3a^6b^2} \end{aligned}$$