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次の計算をしなさい。

$$\textcircled{1} \quad 56x \div 8x$$

$$\textcircled{2} \quad 9xy \div (-3x)$$

$$\textcircled{3} \quad (-45x^2) \div (-5x)$$

$$\textcircled{4} \quad 64a^3 \div (-8a^2)$$

$$\textcircled{5} \quad 16x^2 \div \frac{8}{9}x$$

$$\textcircled{6} \quad 8ab \div (-\frac{2}{5}a)$$

$$\textcircled{7} \quad \frac{8}{3}xy \div (-\frac{4}{9}y)$$

$$\textcircled{8} \quad (-\frac{4}{7}a^2) \div (-\frac{2}{7}a)$$

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次の計算をしなさい。

$$\begin{aligned} \textcircled{1} \quad & 56x \div 8x \\ & = \frac{\overset{7}{5}6\underset{1}{x}}{\underset{1}{8}\underset{1}{x}} \\ & = 7 \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & 9xy \div (-3x) \\ & = -\frac{\overset{3}{9}\underset{1}{x}y}{\underset{1}{3}\underset{1}{x}} \\ & = -3y \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & (-45x^2) \div (-5x) \\ & = \frac{\overset{9}{4}5\underset{1}{x} \times x}{\underset{1}{5}\underset{1}{x}} \\ & = 9x \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & 64a^3 \div (-8a^2) \\ & = -\frac{\overset{8}{6}4\underset{1}{a} \times \underset{1}{a} \times a}{\underset{1}{8} \times \underset{1}{a} \times \underset{1}{a}} \\ & = -8a \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & 16x^2 \div \frac{8}{9}x \\ & = 16x^2 \times \frac{9}{8x} \\ & = \frac{\overset{2}{1}6 \times 9 \times \underset{1}{x} \times x}{\underset{1}{8}\underset{1}{x}} \\ & = 18x \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & 8ab \div (-\frac{2}{5}a) \\ & = 8ab \times (-\frac{5}{2a}) \\ & = -\frac{\overset{4}{8} \times 5 \times \underset{1}{a} \times b}{\underset{1}{2}\underset{1}{a}} \\ & = -20b \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad & \frac{8}{3}xy \div (-\frac{4}{9}y) \\ & = \frac{8}{3}xy \times (-\frac{9}{4y}) \\ & = -\frac{\overset{2}{8} \times \underset{1}{9} \times x \times \underset{1}{y}}{\underset{1}{3} \times \underset{1}{4} \times \underset{1}{y}} \\ & = -6x \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad & (-\frac{4}{7}a^2) \div (-\frac{2}{7}a) \\ & = (-\frac{4}{7}a^2) \times (-\frac{7}{2a}) \\ & = \frac{\overset{2}{4} \times \underset{1}{7} \times \underset{1}{a} \times a}{\underset{1}{7} \times \underset{1}{2} \times \underset{1}{a}} \\ & = 2a \end{aligned}$$