

1 次の計算をなさい。

①  $56x \div 8x$

②  $9xy \div (-3x)$

③  $(-45x^2) \div (-5x)$

④  $64a^3 \div (-8a^2)$

⑤  $16x^2 \div \frac{8}{9}x$

⑥  $8ab \div (-\frac{2}{5}a)$

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

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

1 次の計算をなさい。

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

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

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

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

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

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

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

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