

1 次の計算をなさい。

① $12x \div 2x$

② $49xy \div (-7x)$

③ $(-9x^2) \div (-3x)$

④ $32a^3 \div (-8a^2)$

⑤ $54x^2 \div \frac{9}{10}x$

⑥ $36ab \div (-\frac{4}{5}a)$

⑦ $\frac{8}{9}xy \div (-\frac{4}{27}y)$

⑧ $(-\frac{4}{3}a^2) \div (-\frac{2}{9}a)$

1 次の計算をなさい。

$$\begin{aligned} \textcircled{1} \quad 12x \div 2x \\ &= \frac{12x}{2x} \\ &= 6 \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 49xy \div (-7x) \\ &= -\frac{49xy}{7x} \\ &= -7y \end{aligned}$$

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

$$\begin{aligned} \textcircled{4} \quad 32a^3 \div (-8a^2) \\ &= -\frac{32 \times a \times a \times a}{8 \times a \times a} \\ &= -4a \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad 54x^2 \div \frac{9}{10}x \\ &= 54x^2 \times \frac{10}{9x} \\ &= \frac{54 \times 10 \times x \times x}{9x} \\ &= 60x \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 36ab \div \left(-\frac{4}{5}a\right) \\ &= 36ab \times \left(-\frac{5}{4a}\right) \\ &= -\frac{36 \times 5 \times a \times b}{4a} \\ &= -45b \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad \frac{8}{9}xy \div \left(-\frac{4}{27}y\right) \\ &= \frac{8}{9}xy \times \left(-\frac{27}{4y}\right) \\ &= -\frac{8 \times 27 \times x \times y}{9 \times 4 \times y} \\ &= -6x \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad \left(-\frac{4}{3}a^2\right) \div \left(-\frac{2}{9}a\right) \\ &= \left(-\frac{4}{3}a^2\right) \times \left(-\frac{9}{2a}\right) \\ &= \frac{4 \times 9 \times a \times a}{3 \times 2 \times a} \\ &= 6a \end{aligned}$$