

1 次の計算をなさい。

① $(6xy + 8x) \div 2x$

② $(6xy - 9y) \div 3y$

③ $(10ab - 15a) \div 5a$

④ $(14ab - 21b) \div (-7b)$

2 次の計算をなさい。

① $(8ax - 12bx) \div \left(-\frac{4}{5}x\right)$

② $(6xy^2 + 15xy) \div \frac{3}{4}y$

③ $(4a^2b + 10ab) \div \frac{2}{3}a$

④ $(10ab - 15b) \div \left(-\frac{5}{6}b\right)$

⑤ $(12x^2y^2 - 6xy) \div \left(-\frac{6}{5}xy\right)$

⑥ $(7a^2b + 14ab) \div \frac{7}{9}ab$

1 次の計算をなさい。

$$\begin{aligned} \textcircled{1} \quad (6xy + 8x) \div 2x \\ &= \frac{6xy + 8x}{2x} \\ &= \frac{6xy}{2x} + \frac{8x}{2x} \\ &= 3y + 4 \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad (10ab - 15a) \div 5a \\ &= \frac{10ab - 15a}{5a} \\ &= \frac{10ab}{5a} - \frac{15a}{5a} \\ &= 2b - 3 \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad (6xy - 9y) \div 3y \\ &= \frac{6xy - 9y}{3y} \\ &= \frac{6xy}{3y} - \frac{9y}{3y} \\ &= 2x - 3 \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad (14ab - 21b) \div (-7b) \\ &= \frac{14ab - 21b}{-7b} \\ &= \frac{14ab}{-7b} - \frac{21b}{-7b} \\ &= -2a + 3 \end{aligned}$$

2 次の計算をなさい。

$$\begin{aligned} \textcircled{1} \quad (8ax - 12bx) \div \left(-\frac{4}{5}x\right) \\ &= (8ax - 12bx) \times \left(-\frac{5}{4x}\right) \\ &= 8ax \times \left(-\frac{5}{4x}\right) - 12bx \times \left(-\frac{5}{4x}\right) \\ &= -10a + 15b \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad (4a^2b + 10ab) \div \frac{2}{3}a \\ &= (4a^2b + 10ab) \times \frac{3}{2a} \\ &= 4a^2b \times \frac{3}{2a} + 10ab \times \frac{3}{2a} \\ &= 6ab + 15b \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad (12x^2y^2 - 6xy) \div \left(-\frac{6}{5}xy\right) \\ &= (12x^2y^2 - 6xy) \times \left(-\frac{5}{6xy}\right) \\ &= 12x^2y^2 \times \left(-\frac{5}{6xy}\right) - 6xy \times \left(-\frac{5}{6xy}\right) \\ &= -10xy + 5 \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad (6xy^2 + 15xy) \div \frac{3}{4}y \\ &= (6xy^2 + 15xy) \times \frac{4}{3y} \\ &= 6xy^2 \times \frac{4}{3y} + 15xy \times \frac{4}{3y} \\ &= 8xy + 20x \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad (10ab - 15b) \div \left(-\frac{5}{6}b\right) \\ &= (10ab - 15b) \times \left(-\frac{6}{5b}\right) \\ &= 10ab \times \left(-\frac{6}{5b}\right) - 15b \times \left(-\frac{6}{5b}\right) \\ &= -12a + 18 \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad (7a^2b + 14ab) \div \frac{7}{9}ab \\ &= (7a^2b + 14ab) \times \frac{9}{7ab} \\ &= 7a^2b \times \frac{9}{7ab} + 14ab \times \frac{9}{7ab} \\ &= 9a + 18 \end{aligned}$$