

1 次の計算をなさい。

① $(8xy + 4x) \div 2x$

② $(4xy - 16y) \div 4y$

③ $(9ab - 6a) \div 3a$

④ $(6ab - 12b) \div (-6b)$

⑤ $(-4ax + 8ay) \div (-4a)$

⑥ $(-4x^2 - 8x) \div 2x$

⑦ $(9xy - 6x) \div 3x$

⑧ $(-12y^2 + 8y) \div (-4y)$

⑨ $(-10a^2x - 5ay) \div (-5a)$

⑩ $(-6ab + 3b) \div 3b$

1 次の計算をなさい。

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

$$\begin{aligned} \textcircled{2} \quad (4xy - 16y) \div 4y \\ &= \frac{4xy - 16y}{4y} \\ &= \frac{4xy}{4y} - \frac{16y}{4y} \\ &= x - 4 \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad (9ab - 6a) \div 3a \\ &= \frac{9ab - 6a}{3a} \\ &= \frac{9ab}{3a} - \frac{6a}{3a} \\ &= 3b - 2 \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad (6ab - 12b) \div (-6b) \\ &= \frac{6ab - 12b}{-6b} \\ &= \frac{6ab}{-6b} - \frac{12b}{-6b} \\ &= -a + 2 \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad (-4ax + 8ay) \div (-4a) \\ &= \frac{-4ax + 8ay}{-4a} \\ &= \frac{-4ax}{-4a} + \frac{8ay}{-4a} \\ &= x - 2y \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad (-4x^2 - 8x) \div 2x \\ &= \frac{-4x^2 - 8x}{2x} \\ &= \frac{-4x^2}{2x} - \frac{8x}{2x} \\ &= -2x - 4 \end{aligned}$$

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

$$\begin{aligned} \textcircled{8} \quad (-12y^2 + 8y) \div (-4y) \\ &= \frac{-12y^2 + 8y}{-4y} \\ &= \frac{-12y^2}{-4y} + \frac{8y}{-4y} \\ &= 3y - 2 \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad (-10a^2x - 5ay) \div (-5a) \\ &= \frac{-10a^2x - 5ay}{-5a} \\ &= \frac{-10a^2x}{-5a} - \frac{5ay}{-5a} \\ &= 2ax + y \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad (-6ab + 3b) \div 3b \\ &= \frac{-6ab + 3b}{3b} \\ &= \frac{-6ab}{3b} + \frac{3b}{3b} \\ &= -2a + 1 \end{aligned}$$