

1 次の計算をなさい。

① $(8x + 20y) \div 4$

② $(12x - 8y) \div 2$

③ $(21x + 27y) \div (-3)$

④ $(-14x + 35y) \div (-7)$

⑤ $(14x + 6y - 12) \div 2$

⑥ $(-15x + 40y - 10) \div 5$

⑦ $(24x - 30y + 48) \div (-6)$

⑧ $(-32x - 16y + 72) \div (-8)$

1 次の計算をなさい。

$$\textcircled{1} \quad (8x + 20y) \div 4$$

$$\begin{aligned} &= (8x + 20y) \times \frac{1}{4} \\ &= \frac{8x}{4} + \frac{20y}{4} \\ &= 2x + 5y \end{aligned}$$

$$\textcircled{2} \quad (12x - 8y) \div 2$$

$$\begin{aligned} &= (12x - 8y) \times \frac{1}{2} \\ &= \frac{12x}{2} - \frac{8y}{2} \\ &= 6x - 4y \end{aligned}$$

$$\textcircled{3} \quad (21x + 27y) \div (-3)$$

$$\begin{aligned} &= (21x + 27y) \times \left(-\frac{1}{3}\right) \\ &= -\frac{21x}{3} - \frac{27y}{3} \\ &= -7x - 9y \end{aligned}$$

$$\textcircled{4} \quad (-14x + 35y) \div (-7)$$

$$\begin{aligned} &= (-14x + 35y) \times \left(-\frac{1}{7}\right) \\ &= \frac{14x}{7} - \frac{35y}{7} \\ &= 2x - 5y \end{aligned}$$

$$\textcircled{5} \quad (14x + 6y - 12) \div 2$$

$$\begin{aligned} &= (14x + 6y - 12) \times \frac{1}{2} \\ &= \frac{14x}{2} + \frac{6y}{2} - \frac{12}{2} \\ &= 7x + 3y - 6 \end{aligned}$$

$$\textcircled{6} \quad (-15x + 40y - 10) \div 5$$

$$\begin{aligned} &= (-15x + 40y - 10) \times \frac{1}{5} \\ &= -\frac{15x}{5} + \frac{40y}{5} - \frac{10}{5} \\ &= -3x + 8y - 2 \end{aligned}$$

$$\textcircled{7} \quad (24x - 30y + 48) \div (-6)$$

$$\begin{aligned} &= (24x - 30y + 48) \times \left(-\frac{1}{6}\right) \\ &= -\frac{24x}{6} + \frac{30y}{6} - \frac{48}{6} \\ &= -4x + 5y - 8 \end{aligned}$$

$$\textcircled{8} \quad (-32x - 16y + 72) \div (-8)$$

$$\begin{aligned} &= (-32x - 16y + 72) \times \left(-\frac{1}{8}\right) \\ &= \frac{32x}{8} + \frac{16y}{8} - \frac{72}{8} \\ &= 4x + 2y - 9 \end{aligned}$$