

## 文字式 いろいろな計算

NO.1

名前

/8 点

■ 次の式を計算しなさい。

(1)  $(5x - 7) \div 6$

(2)  $(12x - 9) \div (-5)$

(3)  $\frac{2x + 4}{3} \times 12 - \frac{3x + 5}{4} \times 12$

(4)  $12 \left( \frac{3}{4}x - \frac{5}{6} \right)$

(5)  $2(5x + 6) - 3(-x + 2)$

(6)  $4(2x - 3) - 3(x - 4)$

(7)  $\frac{3x - 2}{2} - \frac{4x - 3}{5}$

(8)  $\frac{x + 1}{2} + \frac{x - 2}{3}$

## 解答

$$(1) \frac{5}{6}x - \frac{7}{6}$$

$$(2) -\frac{12}{5}x + \frac{9}{5}$$

$$\begin{aligned} (3) & (2x + 4) \times 4 - (3x + 5) \times 3 \\ &= 8x + 16 - 9x - 15 \\ &= -x + 1 \end{aligned}$$

$$(4) 9x - 10$$

$$\begin{aligned} (5) & 10x + 12 + 3x - 6 \\ &= 13x + 6 \end{aligned}$$

$$\begin{aligned} (6) & 8x - 12 - 3x + 12 \\ &= 5x \end{aligned}$$

$$\begin{aligned} (7) & \frac{(3x - 2) \times 5}{2 \times 5} - \frac{(4x - 3) \times 2}{5 \times 2} \\ &= \frac{15x - 10 - 8x + 6}{10} \\ &= \frac{7x - 4}{10} \end{aligned}$$

$$\begin{aligned} (8) & \frac{(x + 1) \times 3}{2 \times 3} + \frac{(x - 2) \times 2}{3 \times 2} \\ &= \frac{3x + 3 + 2x - 4}{6} \\ &= \frac{5x - 1}{6} \end{aligned}$$