

次の2つの式をたしなさい。また、左の式から右の式をひきなさい。

(1) $11x + 8, -8x + 7$

$$(11x + 8) + (-8x + 7)$$

$$= 11x + 8 - 8x + 7$$

$$= 3x + 15$$

$$(11x + 8) - (-8x + 7)$$

$$= 11x + 8 + 8x - 7$$

$$= 19x + 1$$

(3) $\frac{x}{2} - 1, -\frac{x}{6} + 2$

$$\left(\frac{x}{2} - 1\right) + \left(-\frac{x}{6} + 2\right) \quad \left(\frac{x}{2} - 1\right) - \left(-\frac{x}{6} + 2\right)$$

$$= \frac{3x - x}{6} + 1 = \frac{1}{3}x + 1 = \frac{3x + x}{6} - 3 = \frac{2}{3}x - 3$$

(2) $-5x + 6, 7 + x$

$$(-5x + 6) + (7 + x)$$

$$= -5x + 6 + 7 + x$$

$$= -4x + 13$$

$$(-5x + 6) - (7 + x)$$

$$= -5x + 6 - 7 - x$$

$$= -6x - 1$$

(4) $\frac{x}{4} - \frac{1}{4}, -\frac{3}{2}x + \frac{2}{3}$

$$\left(\frac{x}{4} - \frac{1}{4}\right) + \left(-\frac{3}{2}x + \frac{2}{3}\right) \quad \left(\frac{x}{4} - \frac{1}{4}\right) - \left(-\frac{3}{2}x + \frac{2}{3}\right)$$

$$= \frac{x - 6x}{4} + \frac{-3 + 8}{12} = \frac{x + 6x}{4} + \frac{-3 - 8}{12}$$

$$= -\frac{5}{4}x + \frac{5}{12} = \frac{7}{4}x - \frac{11}{12}$$

(5) $(-a - 1) + 2(7a - 6)$

$$= -a - 1 + 14a - 12$$

$$= 13a - 13$$

(6) $2(8a + 3) - (9a - 3)$

$$= 16a + 6 - 9a + 3$$

$$= 7a + 9$$

(7) $7(x + 4) - 2(-3x + 9)$

$$= 7x + 28 + 6x - 18$$

$$= 13x + 10$$

(8) $3(3a - 1) - 2(a - 2)$

$$= 9a - 3 - 2a + 4$$

$$= 7a + 1$$

(9) $(4x + 6) \div 2 - (-x - 3)$

$$= 2x + 3 + x + 3$$

$$= 3x + 6$$

(10) $6\left(\frac{2x-3}{3} - \frac{3x-2}{2}\right)$

$$= 2(2x - 3) - 3(3x - 2)$$

$$= 4x - 6 - 9x + 6$$

$$= -5x$$

(11) $\frac{1}{5}(6x + 1) + \frac{1}{2}(x - 3)$

$$= \frac{6}{5}x + \frac{1}{5} + \frac{1}{2}x - \frac{3}{2}$$

$$= \frac{12x + 5x}{10} + \frac{2 - 15}{10}$$

$$= \frac{17x - 13}{10}$$

(12) $\frac{6x+3}{8} - \frac{x-3}{2}$

$$= \frac{6x + 3 - 4(x - 3)}{8}$$

$$= \frac{2x + 15}{8}$$

YouTubeチャンネルも見てね▶『ふじわら塾長』で検索!!

