

計算たしかめミックス (15)

名前

※ 解法は一例です。

■ (1) ~ (16) の計算をなさい。(17) ~ (20) は方程式を解きなさい。

$$(1) 28x \div (-4) = -7x$$

$$(2) (-6) \times 9a = -54a$$

$$(3) (-11) - (-7) = (-11) + (+7)$$

$$(4) \frac{1}{3}(12x - 9) + \frac{1}{2}(4x + 6) = 4x - 3 + 2x + 3$$

$$= -4$$

$$= 6x$$

$$(5) (-65) \div (-5) = +(65 \div 5)$$

$$(6) -18 \times (-7) = +(18 \times 7)$$

$$= 13$$

$$= 126$$

$$(7) (-10) + (-14) = -(10 + 14)$$

$$(8) \frac{3}{4}(8x - 4) - \frac{2}{3}(6x + 9) = 6x - 3 - 4x - 6$$

$$= -24$$

$$= 2x - 9$$

$$(9) -5 + 2^3 + (-4) = -5 + 8 - 4$$

$$(10) -0.3 - (-3.6) - 2.8 = -0.3 + 3.6 - 2.8$$

$$= 8 - 5 - 4$$

$$= 3.6 - 0.3 - 2.8$$

$$= -1$$

$$= 0.5$$

$$(11) \frac{1}{2} \div 4 + 3 \times \left(-\frac{1}{4}\right)$$

$$(12) 4 \times \{3 - (-5 + 1) \times 2\} = 4 \times \{3 - (-4) \times 2\}$$

$$= \frac{1}{2} \times \frac{1}{4} + 3 \times \left(-\frac{1}{4}\right)$$

$$= 4 \times \{3 - (-8)\}$$

$$= \frac{1}{8} - \frac{3}{4}$$

$$= 4 \times (3 + 8)$$

$$= \frac{1}{8} - \frac{6}{8}$$

$$= 4 \times 11$$

$$= -\frac{5}{8}$$

$$= 44$$

$$(13) (4x + 5) + (3x - 7) = 4x + 5 + 3x - 7$$

$$(14) (-7) + (+9) - (-11) = -7 + 9 + 11$$

$$= (4 + 3)x + (5 - 7)$$

$$= 9 + 11 - 7$$

$$= 7x - 2$$

$$= 13$$

$$(15) 1 - (-3) \div \left(-\frac{3}{4}\right) = 1 - (-3) \times \left(-\frac{4}{3}\right)$$

$$(16) \frac{x-4}{2} \times 10 = \frac{(x-4) \times 10}{2}$$

$$= 1 - 4$$

$$= (x - 4) \times 5$$

$$= -3$$

$$= 5x - 20$$

$$(17) 3x - 7 = 6x - 4$$

$$(18) -2x + 2 = 8$$

$$3x - 6x = -4 + 7$$

$$-2x = 8 - 2$$

$$-3x = 3$$

$$-2x = 6$$

$$x = -1$$

$$x = -3$$

$$(19) \frac{2}{3}x + 1 = \frac{3}{2}x - 4 \quad \text{両辺に 6 をかけて}$$

$$(20) 0.3x - 0.5 = 7 \quad \text{両辺に 10 をかけて}$$

$$\left(\frac{2}{3}x + 1\right) \times 6 = \left(\frac{3}{2}x - 4\right) \times 6$$

$$(0.3x - 0.5) \times 10 = 7 \times 10$$

$$4x + 6 = 9x - 24$$

$$3x - 5 = 70$$

$$4x - 9x = -24 - 6$$

$$3x = 70 + 5$$

$$-5x = -30$$

$$3x = 75$$

$$x = 6$$

$$x = 25$$