

【中1 数学 | 方程式】

【1】 次の方程式を解きなさい。

$$(1) \quad -6 = 6 + 3x$$

$$-3x = 12$$

$$\therefore x = -4$$

$$(7) \quad 10x - 7 = 3(x + 14)$$

$$10x - 7 = 3x + 42$$

$$7x = 49$$

$$\therefore x = 7$$

$$(2) \quad 3x = 8 - 5x$$

$$8x = 8$$

$$\therefore x = 1$$

$$(8) \quad 5(3x + 2) = 2(2x + 5)$$

$$15x + 10 = 4x + 10$$

$$11x = 0$$

$$\therefore x = 0$$

$$(3) \quad 4x - 3 = 2x + 7$$

$$2x = 10$$

$$\therefore x = 5$$

$$(9) \quad 0.9x - 0.2 = x - 0.8$$

$$9x - 2 = 10x - 8 \quad \swarrow \times 10$$

$$-x = -6$$

$$\therefore x = 6$$

$$(4) \quad 7x + 6 = 2x - 9$$

$$5x = -15$$

$$\therefore x = -3$$

$$(10) \quad 0.2x + 0.3 = 0.06x + 1$$

$$20x + 30 = 6x + 100 \quad \swarrow \times 100$$

$$14x = 70$$

$$\therefore x = 5$$

$$(5) \quad 5x - 2 = x - 10$$

$$4x = -8$$

$$\therefore x = -2$$

$$(11) \quad \frac{x-12}{4} = \frac{5-x}{3}$$

$$3(x-12) = 4(5-x) \quad \swarrow \times 12$$

$$3x - 36 = 20 - 4x$$

$$7x = 56 \quad \therefore x = 8$$

$$(6) \quad 11 + 4x = 6x + 3$$

$$-2x = -8$$

$$\therefore x = 4$$

$$(12) \quad \frac{x+4}{2} = \frac{x-2}{5}$$

$$5(x+4) = 2(x-2) \quad \swarrow \times 10$$

$$5x + 20 = 2x - 4$$

$$3x = -24 \quad \therefore x = -8$$

YouTubeチャンネルも見てね▶ 『ふじわら塾長』で検索!!

