

【中1 数学 | 方程式】

【1】 次の方程式を解きなさい。

$$(1) \quad 2x - 3 = 3$$

$$2x = 6$$

$$\therefore x = 3$$

$$(7) \quad 7x + 13 = 3(x - 9)$$

$$7x + 13 = 3x - 27$$

$$4x = -40$$

$$\therefore x = -10$$

$$(2) \quad 3x - 1 = 4x$$

$$-x = 1$$

$$\therefore x = -1$$

$$(8) \quad 2(5x - 7) = 3(x + 7)$$

$$10x - 14 = 3x + 21$$

$$7x = 35$$

$$\therefore x = 5$$

$$(3) \quad 4x + 3 = 6x - 7$$

$$-2x = -10$$

$$\therefore x = 5$$

$$(9) \quad 0.2x - 3 = -0.3x + 1$$

$$2x - 30 = -3x + 10 \quad \swarrow \times 10$$

$$5x = 40$$

$$\therefore x = 8$$

$$(4) \quad 2x - 4 = -x - 4$$

$$3x = 0$$

$$\therefore x = 0$$

$$(10) \quad 0.8x + 1.7 = 0.6x - 0.1$$

$$8x + 17 = 6x - 1 \quad \swarrow \times 10$$

$$2x = -18$$

$$\therefore x = -9$$

$$(5) \quad 8x - 3 = 2x - 15$$

$$6x = -12$$

$$\therefore x = -2$$

$$(11) \quad \frac{1}{4}x - 3 = \frac{11x + 4}{12}$$

$$3x - 36 = 11x + 4 \quad \swarrow \times 12$$

$$-8x = 40$$

$$\therefore x = -5$$

$$(6) \quad 8x - 13 = 7 + 3x$$

$$5x = 20$$

$$\therefore x = 4$$

$$(12) \quad \frac{x-1}{8} = \frac{x+2}{2}$$

$$x-1 = 4(x+2) \quad \swarrow \times 8$$

$$x-1 = 4x+8$$

$$-3x = 9 \quad \therefore x = -3$$

YouTubeチャンネルも見てね▶ 『ふじわら塾長』で検索!!

