

## 【中1 数学 | 方程式】

【1】 次の方程式を解きなさい。

$$(1) \quad 2(3x - 5) = 3(x + 2) + 4(2x - 1)$$

$$6x - 10 = 3x + 6 + 8x - 4$$

$$-5x = 12$$

$$\therefore x = -\frac{12}{5}$$

$$(2) \quad 3(3x + 1) + 4x = \frac{1}{2}(10x - 6) - 2(4x - 5)$$

$$9x + 3 + 4x = 5x - 3 - 8x + 10$$

$$16x = 4$$

$$\therefore x = \frac{1}{4}$$

$$(3) \quad \frac{2}{3}(9 - 6x) - 4\left(x + \frac{1}{2}\right) = -\frac{3}{2}(8x - 12)$$

$$6 - 4x - 4x - 2 = -12x + 18$$

$$4x = 14$$

$$x = \frac{14}{4} = \frac{7}{2} \quad \therefore x = \frac{7}{2}$$

$$(4) \quad -\frac{1}{3}(9x + 24) + 6\left(\frac{1}{3}x - 1\right) = \frac{1}{4}(16x + 8) + 3x - 1$$

$$-3x - 8 + 2x - 6 = 4x + 2 + 3x - 1$$

$$-8x = 15$$

$$\therefore x = -\frac{15}{8}$$

YouTubeチャンネルも見てね▶ 『ふじわら塾長』で検索!!

