

第53回 複雑な方程式の解き方 講義編1

解答

① $4x - 4(2x + 1) = 12$

$$4x - 8x - 4 = 12$$

$$4x - 8x = 12 + 4$$

$$-4x = 16$$

$$x = -4$$

② $1.3x + 3 = x - 0.6$

$$13x + 30 = 10x - 6$$

$$13x - 10x = -6 - 30$$

$$3x = -36$$

$$x = -12$$

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

$$5x - 6 = 6x - 2$$

$$5x - 6x = -2 + 6$$

$$-x = 4$$

$$x = -4$$

④ $\frac{2x-4}{3} - \frac{3x-1}{6} = \frac{1}{2}$

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

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

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

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

$$x = 10$$