

第55回 複雑な方程式の解き方 演習編1

解答

$$\textcircled{1} \quad -x + 0.4 = 1.2 + 0.2x \qquad \textcircled{2} \quad \frac{x}{2} - 1 - \frac{x-8}{4} = -4$$

$$-10x + 4 = 12 + 2x$$

$$2x - 4 - (x - 8) = -16$$

$$-10x - 2x = 12 - 4$$

$$2x - 4 - x + 8 = -16$$

$$-12x = 8$$

$$x = -16 - 4$$

$$x = -\frac{8}{12}$$

$$x = -20$$

$$x = -\frac{2}{3}$$

$$\textcircled{3} \quad \frac{3}{4}(-2x - 5) + \frac{5}{6}(x + 4) = \frac{1}{3} \qquad \textcircled{4} \quad 2(x - 2) = 0.3(-x + 4) - 2$$

$$9(-2x - 5) + 10(x + 4) = 4$$

$$20(x - 2) = 3(-x + 4) - 20$$

$$-18x - 45 + 10x + 40 = 4$$

$$20x - 40 = -3x + 12 - 20$$

$$-8x = 4 + 5$$

$$23x = -8 + 40$$

$$x = -\frac{9}{8}$$

$$x = \frac{32}{23}$$