

学 楽 (方程式)

[例題 1] 次の方程式を解きなさい。

$$\begin{array}{l} (1) \quad 3x + 3 = 18 \\ \quad \quad = \\ \quad \quad = \\ \quad \quad = \end{array} \qquad \begin{array}{l} (2) \quad 3x - 18 = 6x \\ \quad \quad = \\ \quad \quad = \\ \quad \quad = \end{array}$$

$$\begin{array}{l} (3) \quad 8x + 11 = 3x + 4 \\ \quad \quad = \\ \quad \quad = \\ \quad \quad = \end{array} \qquad \begin{array}{l} (4) \quad -x + 9 = -3x - 8 \\ \quad \quad = \\ \quad \quad = \\ \quad \quad = \end{array}$$

(問題 1) 次の方程式を解きなさい。

$$\begin{array}{lll} \textcircled{1} \quad 2x - 3 = 5 & \textcircled{2} \quad 3x + 4 = 22 & \textcircled{3} \quad -5x + 16 = 6 \\ \textcircled{4} \quad 13 - x = 8 & \textcircled{5} \quad 3 = 15 + 4x & \textcircled{6} \quad 6x - 7 = -10 \end{array}$$

(問題 2) 次の方程式を解きなさい。

$$\begin{array}{lll} \textcircled{1} \quad 3x = 8 - x & \textcircled{2} \quad 5x = 2x + 9 & \textcircled{3} \quad 7 - 6x = x \\ \textcircled{4} \quad 2x = 3x + 4 & \textcircled{5} \quad x - 21 = 4x & \textcircled{6} \quad 30x = 26 - 9x \end{array}$$

(問題 3) 次の方程式を解きなさい。

$$\begin{array}{ll} \textcircled{1} \quad 3x + 4 = x + 10 & \textcircled{2} \quad 5x - 2 = 4x + 8 \\ \textcircled{3} \quad 7x - 10 = 3x + 6 & \textcircled{4} \quad 8x + 11 = 6x - 1 \\ \textcircled{5} \quad x + 8 = 4x + 5 & \textcircled{6} \quad 2x - 9 = 3x + 4 \\ \textcircled{7} \quad 2x + 7 = 5x - 14 & \textcircled{8} \quad 9x - 17 = 14x - 72 \end{array}$$

[例題 2] 次の方程式を解きなさい。

$$\begin{array}{l} (1) \quad 7x - 3(x + 1) = 9 \\ \quad \quad = \\ \quad \quad = \\ \quad \quad = \\ \quad \quad = \end{array} \qquad \begin{array}{l} (2) \quad 2(x + 1) - 5 = 13 \\ \quad \quad = \\ \quad \quad = \\ \quad \quad = \\ \quad \quad = \end{array}$$

$$\begin{array}{l} (3) \quad 7 - (x - 4) = 2 \\ \quad \quad = \\ \quad \quad = \\ \quad \quad = \\ \quad \quad = \end{array}$$

(問題 4) 次の方程式を解きなさい。

$$\begin{array}{ll} \textcircled{1} \quad 3(x + 1) - 2 = 7 & \textcircled{2} \quad 6 - (x - 4) = 2 \\ \textcircled{3} \quad 4(3 - 2x) - 5 = 15 & \textcircled{4} \quad 7 - 3(x - 6) = 10 \\ \textcircled{5} \quad 3 - (4x + 7) = 12 & \textcircled{6} \quad 4 = 1 - (4x - 5) \\ \textcircled{7} \quad 18 + 7(3x - 4) = -17 & \textcircled{8} \quad -47 = 9(-7x - 8) + 52 \end{array}$$