

1 次の方程式を解きなさい。

①  $2(x-1) = 6$

②  $-5(x+1) = 10$

③  $4(x-2) = 12$

④  $-2(2+x) = -6$

⑤  $-3(3+2x) = 27$

⑥  $2(x-1) = 4(x-1)$

⑦  $-1-5x = -3(3x-5)$

⑧  $-2(x-2) = -11+x$

⑨  $2(2-3x) = 5(1-x)$

⑩  $-2(2x+2) = 5(-2x+4)$

1 次の方程式を解きなさい。

$$\textcircled{1} \quad 2(x-1) = 6$$

$$2x - 2 = 6$$

$$2x = 6 + 2$$

$$2x = 8$$

$$x = 4$$

$$\textcircled{2} \quad -5(x+1) = 10$$

$$-5x - 5 = 10$$

$$-5x = 10 + 5$$

$$-5x = 15$$

$$x = -3$$

$$\textcircled{3} \quad 4(x-2) = 12$$

$$4x - 8 = 12$$

$$4x = 12 + 8$$

$$4x = 20$$

$$x = 5$$

$$\textcircled{4} \quad -2(2+x) = -6$$

$$-4 - 2x = -6$$

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

$$-2x = -2$$

$$x = 1$$

$$\textcircled{5} \quad -3(3+2x) = 27$$

$$-9 - 6x = 27$$

$$-6x = 27 + 9$$

$$-6x = 36$$

$$x = -6$$

$$\textcircled{6} \quad 2(x-1) = 4(x-1)$$

$$2x - 2 = 4x - 4$$

$$2x - 4x = -4 + 2$$

$$-2x = -2$$

$$x = 1$$

$$\textcircled{7} \quad -1 - 5x = -3(3x-5)$$

$$-1 - 5x = -9x + 15$$

$$-5x + 9x = 15 + 1$$

$$4x = 16$$

$$x = 4$$

$$\textcircled{8} \quad -2(x-2) = -11 + x$$

$$-2x + 4 = -11 + x$$

$$-2x - x = -11 - 4$$

$$-3x = -15$$

$$x = 5$$

$$\textcircled{9} \quad 2(2-3x) = 5(1-x)$$

$$4 - 6x = 5 - 5x$$

$$-6x + 5x = 5 - 4$$

$$-x = 1$$

$$x = -1$$

$$\textcircled{10} \quad -2(2x+2) = 5(-2x+4)$$

$$-4x - 4 = -10x + 20$$

$$-4x + 10x = 20 + 4$$

$$6x = 24$$

$$x = 4$$