

1 次の方程式を解きなさい。

① $-3(2x+3) = -27$

② $3(-x-1) = 6$

③ $3(x-4) = -3$

④ $2(2-x) = 6$

⑤ $-2(1-2x) = -6$

⑥ $-2(2x-5) = 3(-4x-2)$

⑦ $-10-3x = -4(3x-2)$

⑧ $2(-2x+3) = -2-5x$

⑨ $3(-1-x) = 6(4-2x)$

⑩ $-2(x-5) = -6(x-5)$

1 次の方程式を解きなさい。

$$\textcircled{1} \quad -3(2x+3) = -27$$

$$-6x-9 = -27$$

$$-6x = -27+9$$

$$-6x = -18$$

$$x = 3$$

$$\textcircled{2} \quad 3(-x-1) = 6$$

$$-3x-3 = 6$$

$$-3x = 6+3$$

$$-3x = 9$$

$$x = -3$$

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

$$3x-12 = -3$$

$$3x = -3+12$$

$$3x = 9$$

$$x = 3$$

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

$$4-2x = 6$$

$$-2x = 6-4$$

$$-2x = 2$$

$$x = -1$$

$$\textcircled{5} \quad -2(1-2x) = -6$$

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

$$4x = -6+2$$

$$4x = -4$$

$$x = -1$$

$$\textcircled{6} \quad -2(2x-5) = 3(-4x-2)$$

$$-4x+10 = -12x-6$$

$$-4x+12x = -6-10$$

$$8x = -16$$

$$x = -2$$

$$\textcircled{7} \quad -10-3x = -4(3x-2)$$

$$-10-3x = -12x+8$$

$$-3x+12x = 8+10$$

$$9x = 18$$

$$x = 2$$

$$\textcircled{8} \quad 2(-2x+3) = -2-5x$$

$$-4x+6 = -2-5x$$

$$-4x+5x = -2-6$$

$$x = -8$$

$$\textcircled{9} \quad 3(-1-x) = 6(4-2x)$$

$$-3-3x = 24-12x$$

$$-3x+12x = 24+3$$

$$9x = 27$$

$$x = 3$$

$$\textcircled{10} \quad -2(x-5) = -6(x-5)$$

$$-2x+10 = -6x+30$$

$$-2x+6x = 30-10$$

$$4x = 20$$

$$x = 5$$