

1 次の方程式を解きなさい。

① $2(x-3)=2$

② $-3(x+1)=12$

③ $-4(x+2)=-12$

④ $-2(3+x)=8$

⑤ $5(-2+x)=15$

⑥ $-2(2x-5)=9(x+4)$

⑦ $-3+3x=6(2x-5)$

⑧ $4(x-1)=38-3x$

⑨ $5(-1+x)=6(-2+2x)$

⑩ $2(x+5)=3(3x-6)$

1 次の方程式を解きなさい。

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

$$2x - 6 = 2$$

$$2x = 2 + 6$$

$$2x = 8$$

$$x = 4$$

$$\textcircled{2} \quad -3(x+1) = 12$$

$$-3x - 3 = 12$$

$$-3x = 12 + 3$$

$$-3x = 15$$

$$x = -5$$

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

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

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

$$-4x = -4$$

$$x = 1$$

$$\textcircled{4} \quad -2(3+x) = 8$$

$$-6 - 2x = 8$$

$$-2x = 8 + 6$$

$$-2x = 14$$

$$x = -7$$

$$\textcircled{5} \quad 5(-2+x) = 15$$

$$-10 + 5x = 15$$

$$5x = 15 + 10$$

$$5x = 25$$

$$x = 5$$

$$\textcircled{6} \quad -2(2x-5) = 9(x+4)$$

$$-4x + 10 = 9x + 36$$

$$-4x - 9x = 36 - 10$$

$$-13x = 26$$

$$x = -2$$

$$\textcircled{7} \quad -3 + 3x = 6(2x-5)$$

$$-3 + 3x = 12x - 30$$

$$3x - 12x = -30 + 3$$

$$-9x = -27$$

$$x = 3$$

$$\textcircled{8} \quad 4(x-1) = 38 - 3x$$

$$4x - 4 = 38 - 3x$$

$$4x + 3x = 38 + 4$$

$$7x = 42$$

$$x = 6$$

$$\textcircled{9} \quad 5(-1+x) = 6(-2+2x)$$

$$-5 + 5x = -12 + 12x$$

$$5x - 12x = -12 + 5$$

$$-7x = -7$$

$$x = 1$$

$$\textcircled{10} \quad 2(x+5) = 3(3x-6)$$

$$2x + 10 = 9x - 18$$

$$2x - 9x = -18 - 10$$

$$-7x = -28$$

$$x = 4$$