

1 次の方程式を解きなさい。

① $-3(x+2)=3$

② $-2(3x+1)=34$

③ $2(x-1)=4$

④ $5(1+x)=25$

⑤ $-3(2+2x)=-24$

⑥ $5(x-4)=3(3x-4)$

⑦ $1-5x=-3(4x-12)$

⑧ $-3(x-1)=-11-10x$

⑨ $-2(2-2x)=4(1+3x)$

⑩ $3(x-3)=-4(x-3)$

1 次の方程式を解きなさい。

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

$$-3x - 6 = 3$$

$$-3x = 3 + 6$$

$$-3x = 9$$

$$x = -3$$

$$\textcircled{2} \quad -2(3x+1) = 34$$

$$-6x - 2 = 34$$

$$-6x = 34 + 2$$

$$-6x = 36$$

$$x = -6$$

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

$$2x - 2 = 4$$

$$2x = 4 + 2$$

$$2x = 6$$

$$x = 3$$

$$\textcircled{4} \quad 5(1+x) = 25$$

$$5 + 5x = 25$$

$$5x = 25 - 5$$

$$5x = 20$$

$$x = 4$$

$$\textcircled{5} \quad -3(2+2x) = -24$$

$$-6 - 6x = -24$$

$$-6x = -24 + 6$$

$$-6x = -18$$

$$x = 3$$

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

$$5x - 20 = 9x - 12$$

$$5x - 9x = -12 + 20$$

$$-4x = 8$$

$$x = -2$$

$$\textcircled{7} \quad 1 - 5x = -3(4x - 12)$$

$$1 - 5x = -12x + 36$$

$$-5x + 12x = 36 - 1$$

$$7x = 35$$

$$x = 5$$

$$\textcircled{8} \quad -3(x-1) = -11 - 10x$$

$$-3x + 3 = -11 - 10x$$

$$-3x + 10x = -11 - 3$$

$$7x = -14$$

$$x = -2$$

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

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

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

$$-8x = 8$$

$$x = -1$$

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

$$3x - 9 = -4x + 12$$

$$3x + 4x = 12 + 9$$

$$7x = 21$$

$$x = 3$$