

## かっこがある 1 次方程式

かっこがある 1 次方程式は、かっこをはずして方程式を解く。

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

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

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

$$-2x = 4$$

$$x = -2$$

$$2 \quad 2(2x+1) = 3(4x-2)$$

$$4x + 2 = 12x - 6$$

$$4x - 12x = -6 - 2$$

$$-8x = -8$$

$$x = 1$$

1 次の方程式を解きなさい。

$$\textcircled{1} \quad 3(-3x-2) = -24$$

$$\textcircled{2} \quad -2(3x-1) = 14$$

$$\textcircled{3} \quad 4(x-5) = 8$$

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

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

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

## かっこがある1次方程式

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$$\begin{aligned}
 \text{1} \quad & -2(x+3) = -2 \\
 & -2x-6 = -2 \\
 & -2x = -2+6 \\
 & -2x = 4 \\
 & x = -2
 \end{aligned}$$

$$\begin{aligned}
 \text{2} \quad & 2(2x+1) = 3(4x-2) \\
 & 4x+2 = 12x-6 \\
 & 4x-12x = -6-2 \\
 & -8x = -8 \\
 & x = 1
 \end{aligned}$$

1 次の方程式を解きなさい。

$$\begin{aligned}
 \text{①} \quad & 3(-3x-2) = -24 \\
 & -9x-6 = -24 \\
 & -9x = -24+6 \\
 & -9x = -18 \\
 & x = 2
 \end{aligned}$$

$$\begin{aligned}
 \text{②} \quad & -2(3x-1) = 14 \\
 & -6x+2 = 14 \\
 & -6x = 14-2 \\
 & -6x = 12 \\
 & x = -2
 \end{aligned}$$

$$\begin{aligned}
 \text{③} \quad & 4(x-5) = 8 \\
 & 4x-20 = 8 \\
 & 4x = 8+20 \\
 & 4x = 28 \\
 & x = 7
 \end{aligned}$$

$$\begin{aligned}
 \text{④} \quad & 2(-2x-3) = -2(3x-2) \\
 & -4x-6 = -6x+4 \\
 & -4x+6x = 4+6 \\
 & 2x = 10 \\
 & x = 5
 \end{aligned}$$

$$\begin{aligned}
 \text{⑤} \quad & 3(x-3) = -4(x-3) \\
 & 3x-9 = -4x+12 \\
 & 3x+4x = 12+9 \\
 & 7x = 21 \\
 & x = 3
 \end{aligned}$$

$$\begin{aligned}
 \text{⑥} \quad & 2(2x-5) = -2(x-7) \\
 & 4x-10 = -2x+14 \\
 & 4x+2x = 14+10 \\
 & 6x = 24 \\
 & x = 4
 \end{aligned}$$