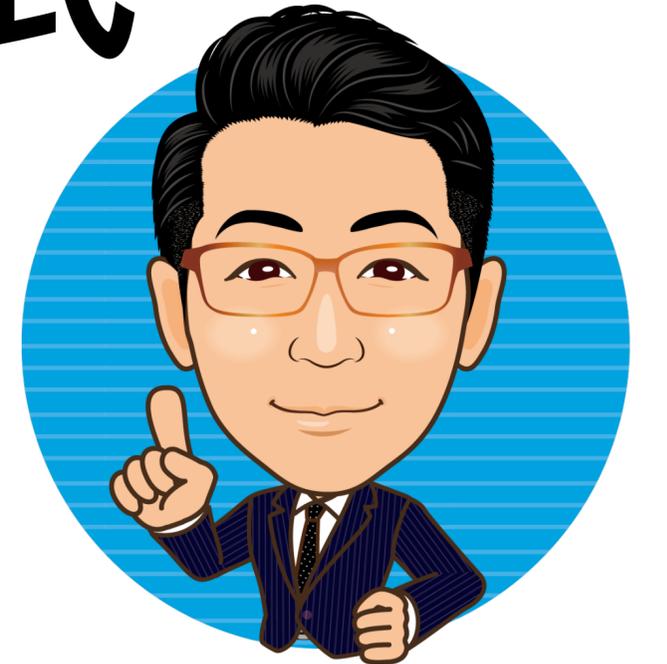




数学I

第1章 数と式

1 次不等式と連立不等式



<読み方>

① $A < B$

AはBより小さい (AはB未満)
(BはAより大きい)

② $A \leq B$

AはB以下
(BはA以上)



(左辺) (右辺)



(両辺)

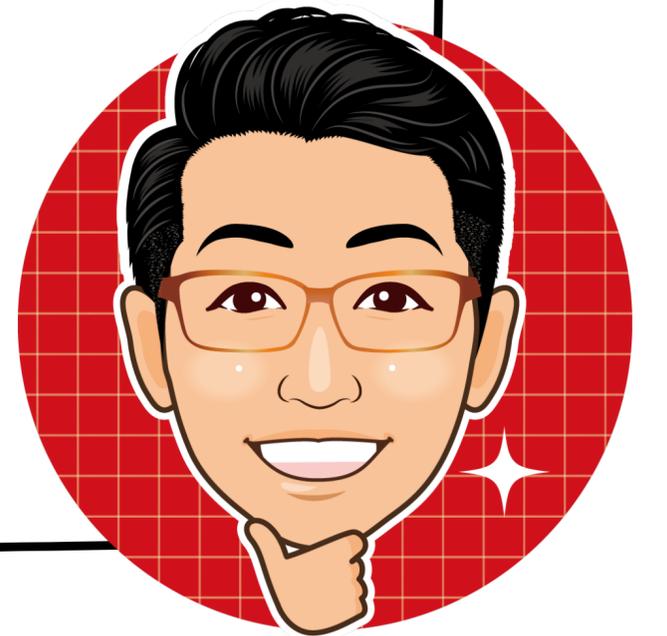
左辺と
主語として読むよ!!

<性質>

$$\textcircled{1} \quad A < B \Rightarrow A + C < B + C, \quad A - C < B - C$$

$$\textcircled{2} \quad A < B, \quad c > 0 \Rightarrow AC < BC, \quad \frac{A}{c} < \frac{B}{c}$$

$$\textcircled{3} \quad A < B, \quad \underline{c < 0} \Rightarrow AC > BC, \quad \frac{A}{c} > \frac{B}{c}$$



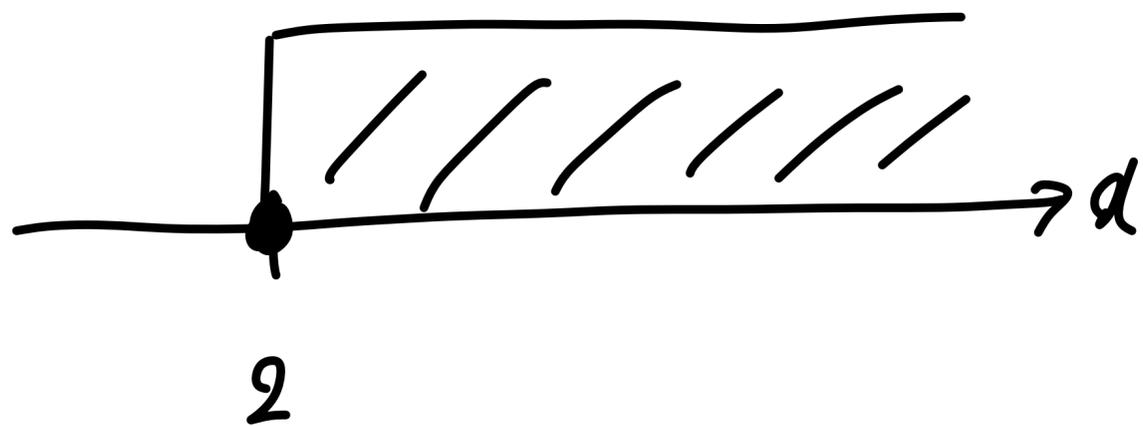
(lx)

$$(1) \quad 2x - 7 \leq 5x - 1$$

$$2x - 5x \leq -1 + 7$$

$$-3x \leq 6$$

$$x \geq -2$$



$$(2) \quad \begin{cases} \frac{1}{5}x + 3 > 3x + 1 & \dots \textcircled{1} \\ -x + 4 \geq 2(x - 1) & \dots \textcircled{2} \end{cases}$$

① ∴

$$\frac{1}{5}x + 3 > 3x + 1$$

$$2x > -2$$

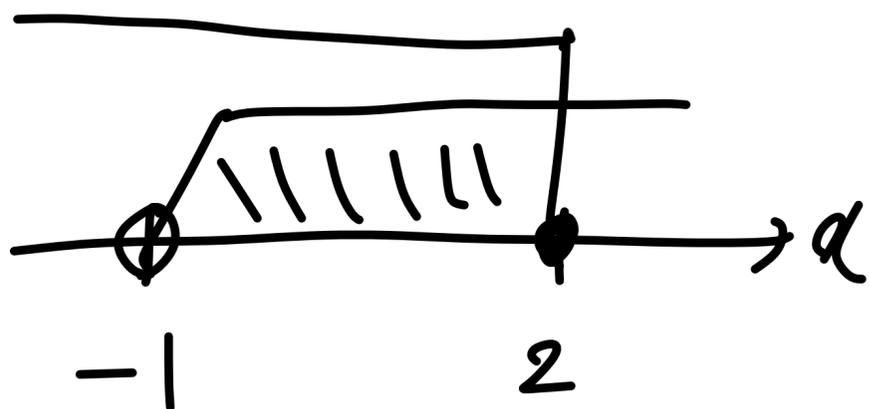
$$x > -1$$

② ∴

$$-x + 4 \geq 2x - 2$$

$$-3x \geq -6$$

$$x \leq 2$$



$$\underline{\underline{-1 < x \leq 2}}$$