

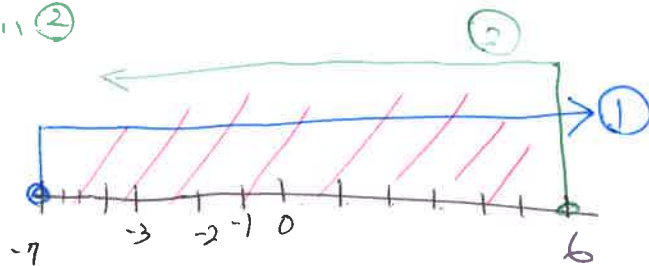


連立一次不等式 (1/2)

$$(1) \begin{cases} 2x \geq -14 & \text{... ①} \\ x-2 \leq 4 & \text{... ②} \end{cases}$$

$$\textcircled{1} \quad x \geq -7$$

$$\textcircled{2} \quad x \leq 4+2 \\ x \leq 6$$

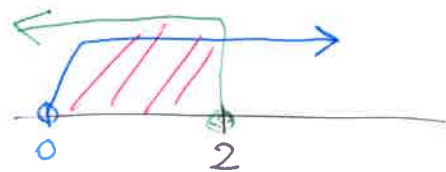


$$-7 \leq x \leq 6$$

$$(2) \begin{cases} -2x - 6 < -6 & \text{... ①} \\ x - 6 \leq -4 & \text{... ②} \end{cases}$$

$$\textcircled{1} \quad -2x < -6+6 \\ -2x < 0 \\ x > 0$$

$$\textcircled{2} \quad x \leq -4+6 \\ x \leq 2$$

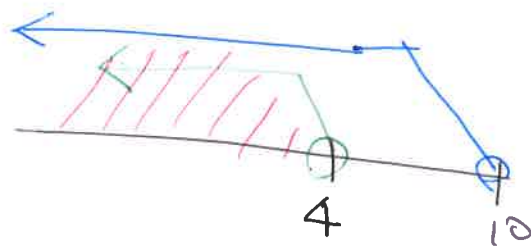


$$0 < x \leq 2$$

$$(3) \begin{cases} 3x + 7 < 37 & \text{... ①} \\ -6x - 3 > -27 & \text{... ②} \end{cases}$$

$$\textcircled{1} \quad 3x < 37-7 \\ 3x < 30 \\ x < 10$$

$$\textcircled{2} \quad -6x > -27+3 \\ -6x > -24 \\ x < 4$$



$$x < 4$$

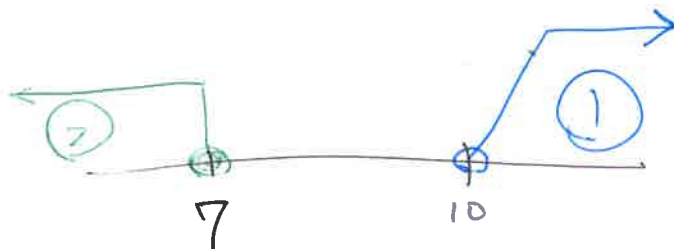
連立一次不等式 (2/2)

$$(4) \begin{cases} -2x - 6 < -26 & \dots \textcircled{1} \\ x - 8 \leq -1 & \dots \textcircled{2} \end{cases}$$

$$\textcircled{1} \quad -2x < -26 + 6$$

$$-2x < -20$$

$$x > 10$$



$$\textcircled{2} \quad x \leq -1 + 8.$$

$$x \leq 7$$

解なし.

両方を満たすのがありません.

$$(5) \begin{cases} -4x - 6 \geq -38 & \dots \textcircled{1} \\ -3x + 8 \leq -16 & \dots \textcircled{2} \end{cases}$$

$$\textcircled{1} \quad -4x \geq -38 + 6$$

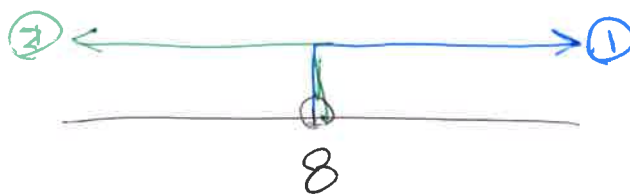
$$-4x \geq -32$$

$$x \leq 8$$

$$\textcircled{2} \quad -3x \leq -16 - 8$$

$$-3x \leq -24$$

$$x \geq 8$$



$$x = 8.$$

両方を満たすのは、
8 だけです.

(1) $-7 \leq x \leq 6$

(2) $0 < x \leq 2$

(3) $x < 4$

(4) 解なし

(5) $x = 8$