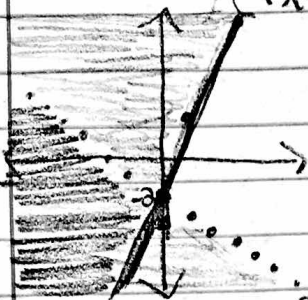


Review for Test

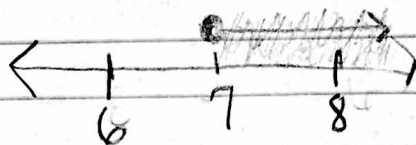
- 1.) Graph: $\begin{cases} x+y < -2 \rightarrow y < -x-2 \\ 4x-y \leq -3 \rightarrow 4x \leq y-3 \rightarrow y \geq 4x-3 \end{cases}$



- 2.) Solve and Graph on a number line:

$$-3x + 7 \leq -14$$

$$\begin{aligned} -3x &\leq -21 \\ \div -3 & \quad \div -3 \\ x &\geq +7 \end{aligned}$$



- 3.) Find the Slope: $(-8, 4), (7, 7)$

$$\frac{7-4}{7-(-8)} = \frac{3}{15} = \frac{1}{5}$$

- 4.) Solve and Graph on a number line:

$$-3x + 7 \geq 5x - 3$$

$$\begin{aligned} +5x & \quad +5x \\ -3x + 7 &\geq 5x - 3 \\ 2x + 7 &\geq -3 \end{aligned}$$

$$2x \geq -10$$

$$x \geq -5$$



- 5.) Is it a function?

Ⓐ

8	→	4
3	→	2
9	→	9

no

Ⓑ $\{(1, 7, 4), (8, 3), (9, 2)\}$ yes

