

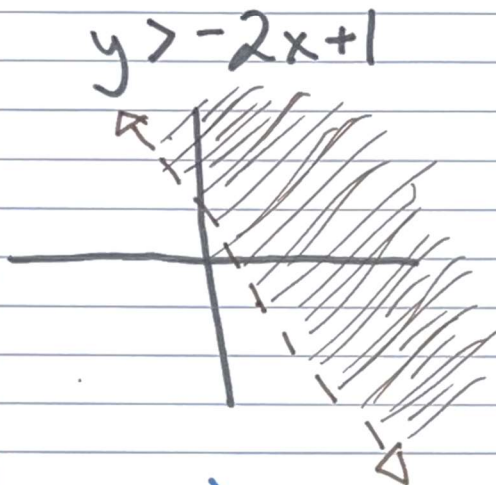
2-4

Lesson ~~2-4~~ → Graphing Linear Inequalities

dotted line \dashrightarrow is $<$ or $>$

Solid line \longrightarrow is \leq or \geq

"Greater Than" ~~is~~ "UP"
"less than" "Down"



Dotted line for $>$

shading goes up

$(4, 5)$ is a solution

$$5 > -2(4) + 1$$

$$5 > -7$$

When equation is in standard form, best bet is to convert it to

$$y = mx + b$$

↑ ↑
slope y-intercept

$$2x - 4y \leq 8$$

$$-2x$$

$$-2x$$

$$-4y \leq -2x + 8$$

$$\underline{-4}$$

$$\underline{-4}$$

Don't forget to turn sign around...

$$y \geq \frac{1}{2}x - 2$$

... when dividing by a Negative

