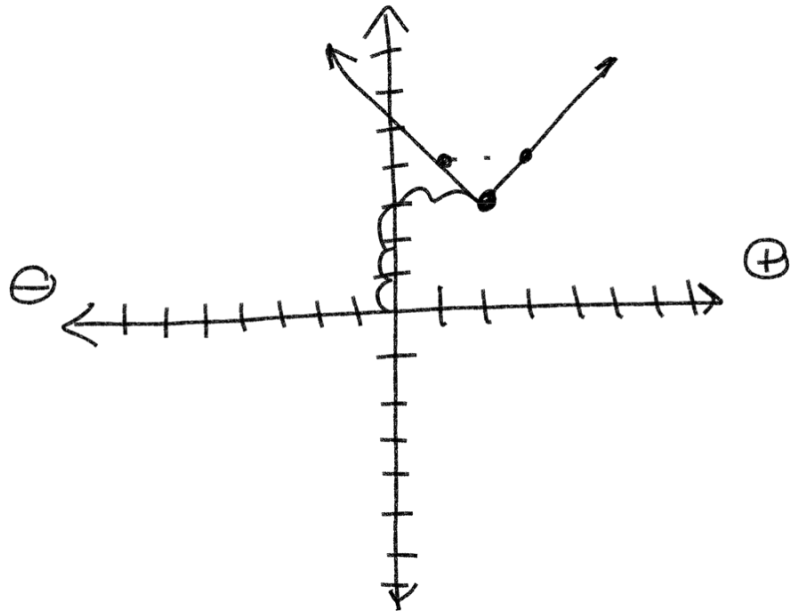


T-A2 Algebra 2 12/14

$$y = |x - 2| + 3$$

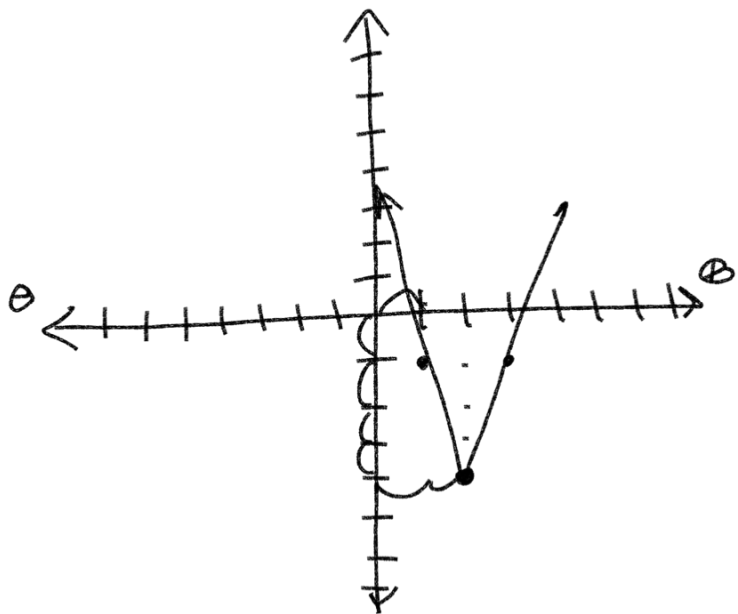
Annotations:
- A bracket under $x - 2$ is labeled "right 2".
- A bracket under $+ 3$ is labeled "up 3".



$$y = \left| \frac{3}{3}x - \frac{6}{3} \right| - 4$$

$$y = |3(x - 2)| - 4$$

Annotations:
- A circled 3 is labeled "slope".
- A bracket under $x - 2$ is labeled "right 2".
- A bracket under $- 4$ is labeled "down 4".

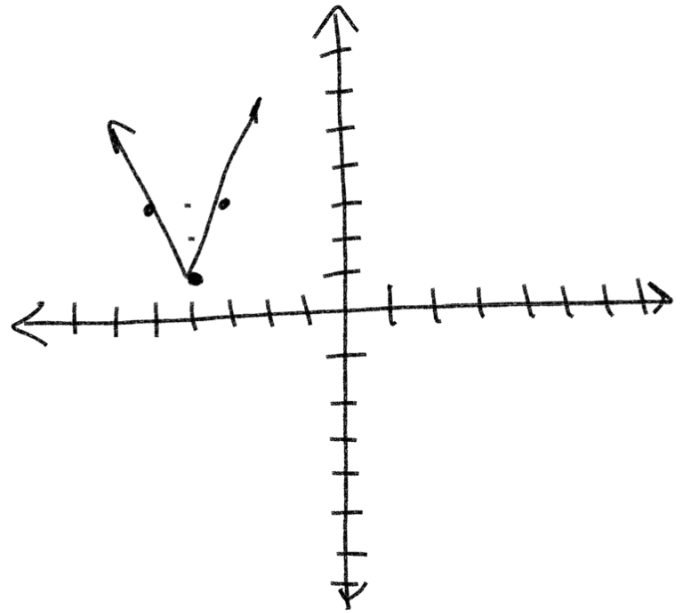


$$y = \left| \frac{2x}{2} + \frac{8}{2} \right| + 1$$

$$y = \left| 2(x+4) \right| + 1$$

left
up 1

4



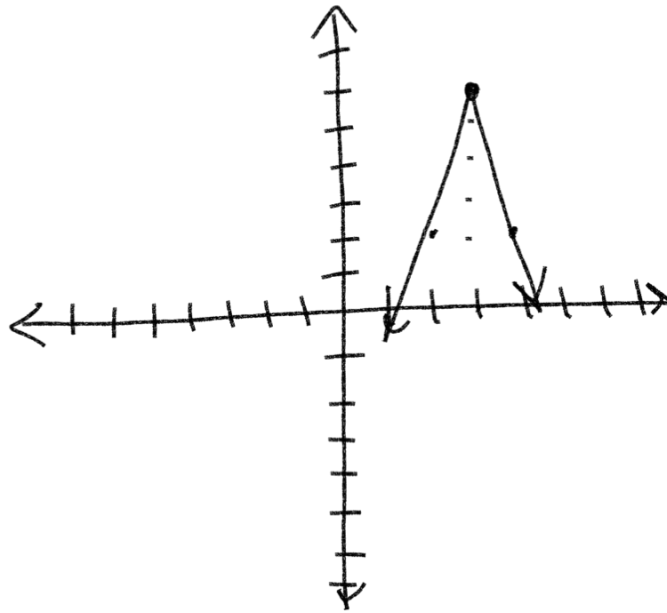
$$y = - \left| \frac{4x}{4} - \frac{12}{4} \right| + 6$$

$$\ominus |4(x-3)| + 6$$

right
up 6

3

slope $\frac{-4}{1}$



$$y < \left(\frac{3}{4}\right)x - 2$$

y-intercept

< > ↑
↓

< >

≤ ≥

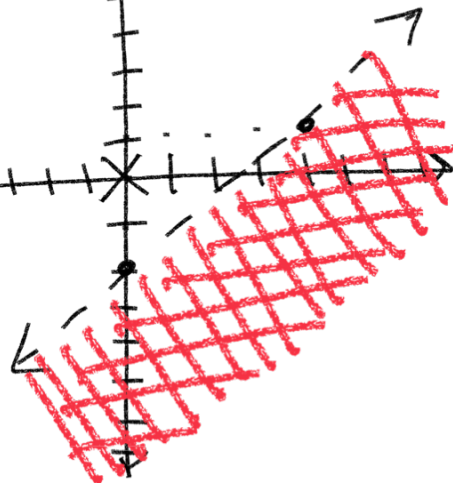


(0,0)

$$0 < \frac{3}{4}(0) - 2$$

$$0 < -2$$

false



$$2x + 3y \geq 6$$

-2x -2x

$$\frac{3y}{3} \geq \frac{-2x + 6}{3}$$

$$y \geq -\frac{2}{3}x + 2$$

$$0 \geq -\frac{2}{3}(0) + 2$$

$$0 \geq 2$$

false

