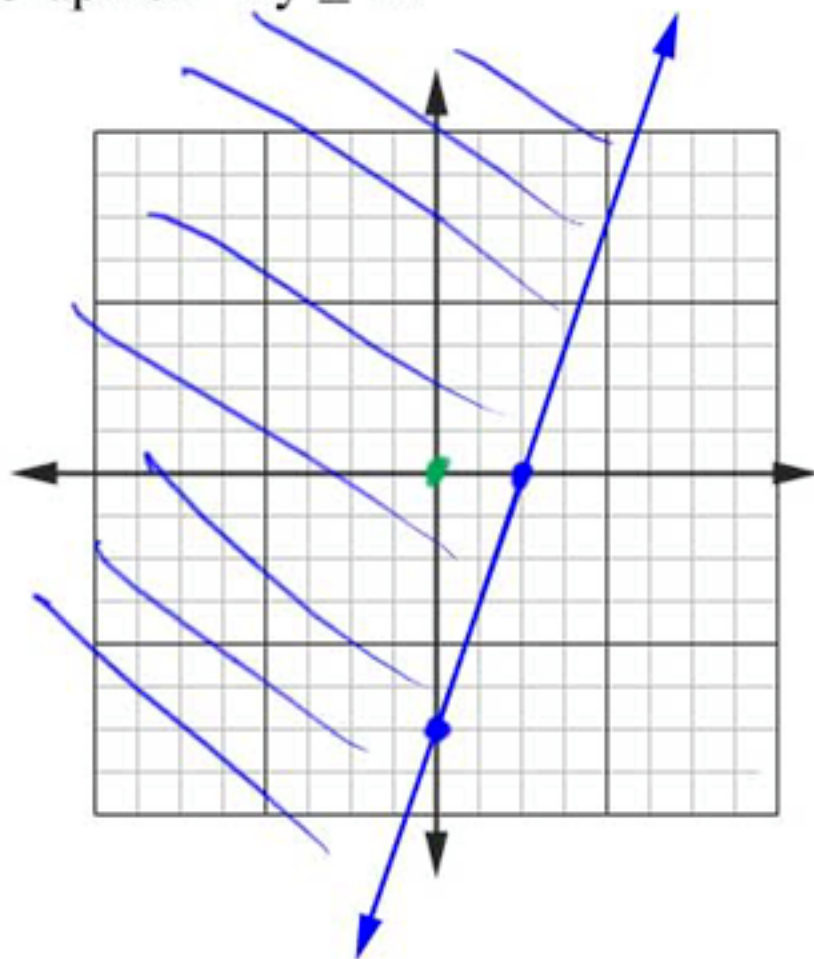


Ex 1) Graph $6x - 2y \leq 12$ 

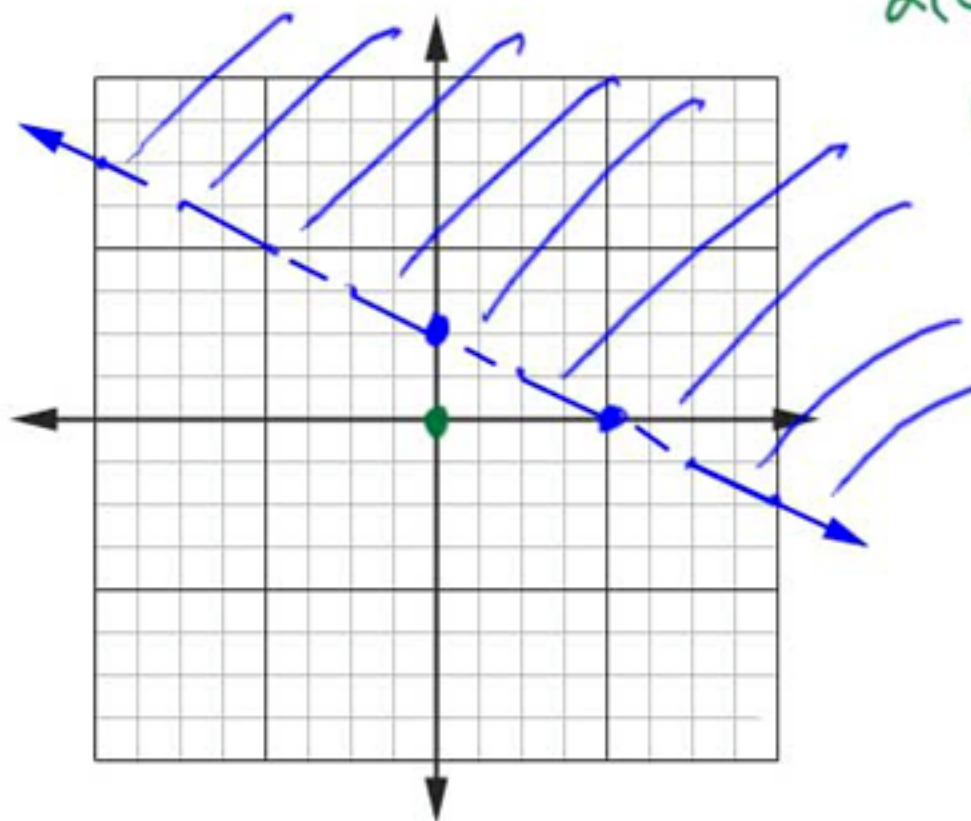
$$6(0) - 2(0) \leq 12$$

$$0 - 0 \leq 12$$

$$0 \leq 12$$

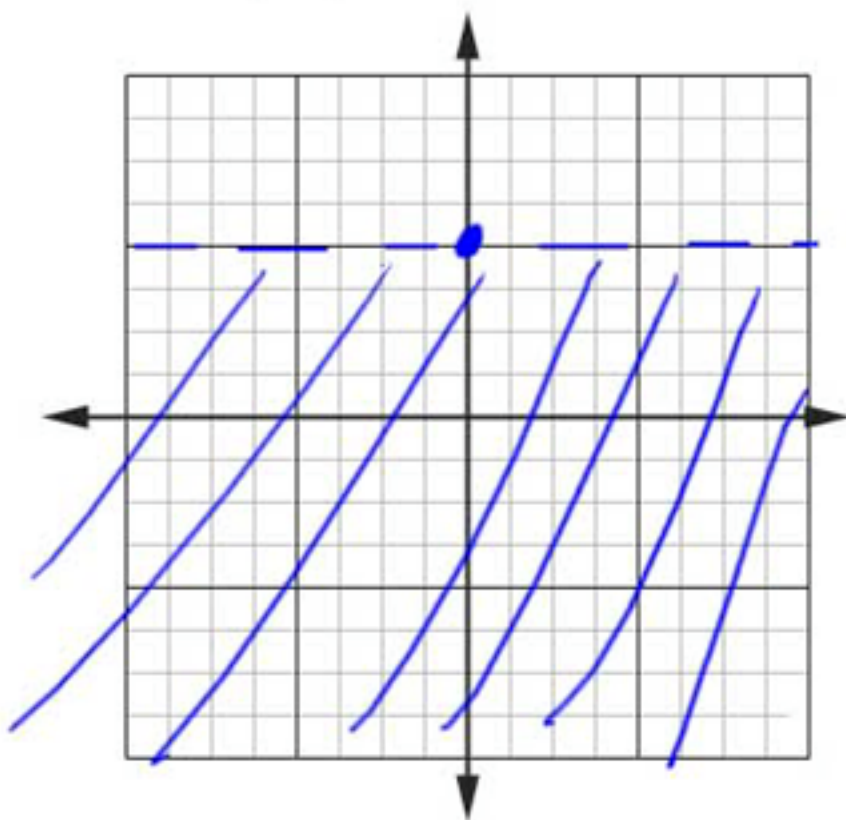
True

Ex 2) Graph $2x + 4y > 8$



$2(0) + 4(0) > 8$
 $0 + 0 > 8$
 $0 > 8$
False

Ex 3) Graph $y < 4$



Less than 4 on
y-axis is below
the line.

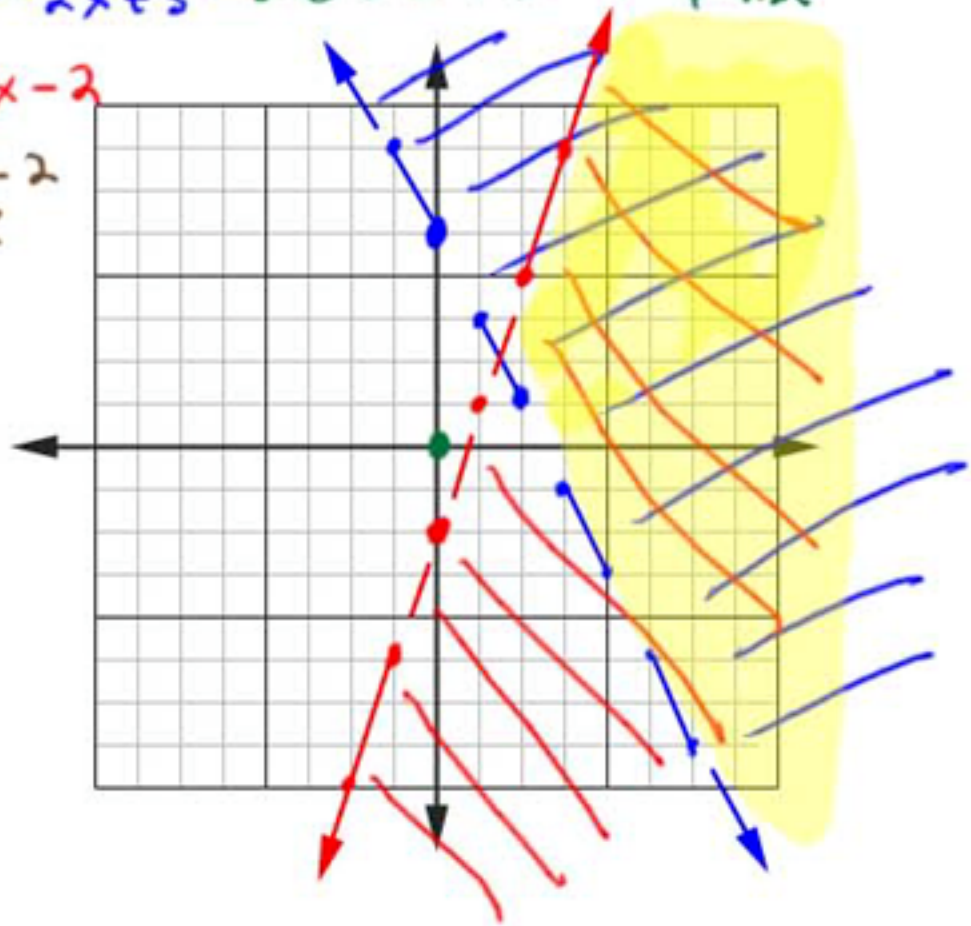
Ex 4) Graph the system of inequalities:

$$2x + y > 5 \rightarrow y > -2x + 5 \rightarrow 0 > 0 + 5 \rightarrow \text{False}$$

$$3x - y > 2 \rightarrow y < 3x - 2$$

$$0 < 0 - 2$$

False



Ex 5) Graph the system of inequalities:

$$x \geq 0$$

$$y \geq 0$$

$$3x + 2y \leq 12$$

$$x - 2y \geq -4$$

