

ALGEBRA I

Assignment: GRAPH LINEAR INEQUALITIES #1

NAME: _____

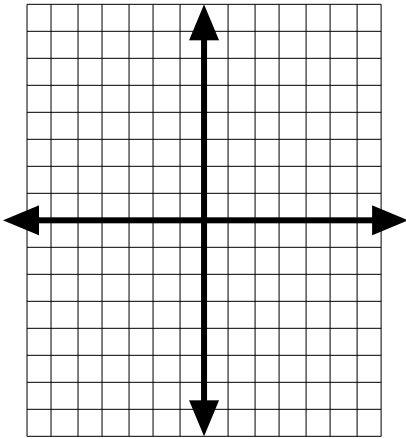
PER: _____

Graph each linear inequality and shade where the solutions exist. You must show that you **TEST** an ordered pair. Identify **m (slope)** and **b (y intercept)** and whether the line will be **solid or broken**.

Reminders:

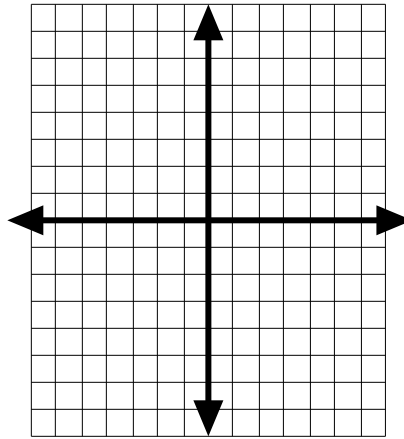
“I Do”

1.) $y > -1$



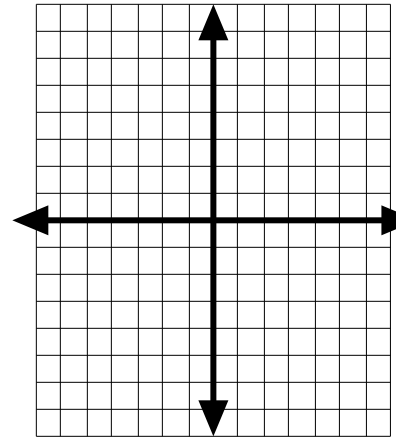
“We Do”

2.) $y < -2$

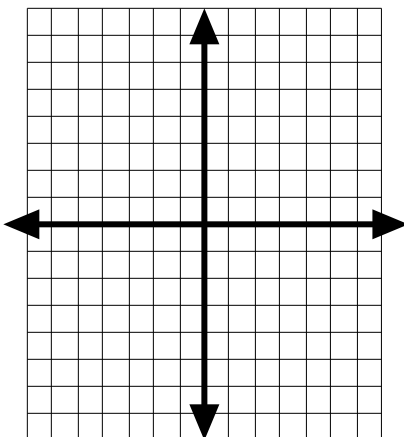


“You Do”

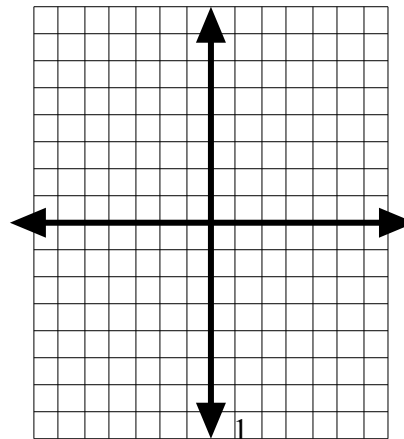
3.) $y < -2$



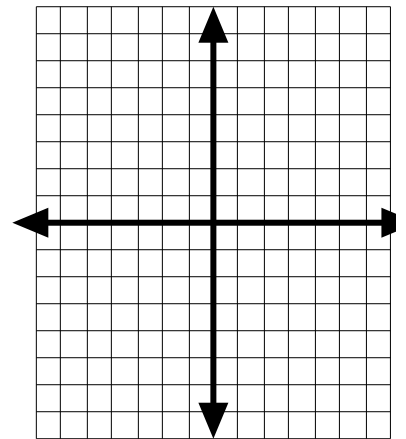
4.) $y \leq 4$



5.) $y \geq -2$

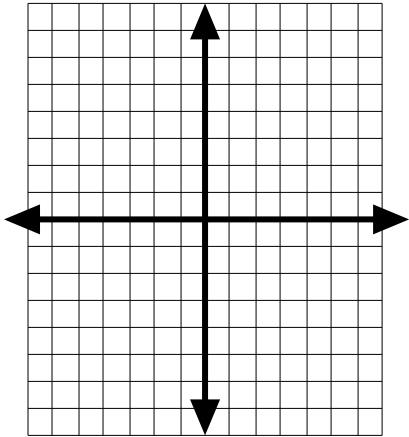


6.) $y \leq 2$



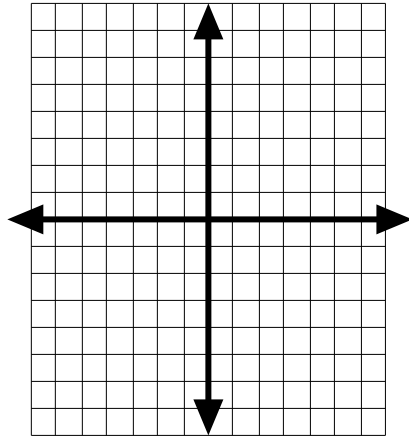
“I Do”

7.) $x > -4$



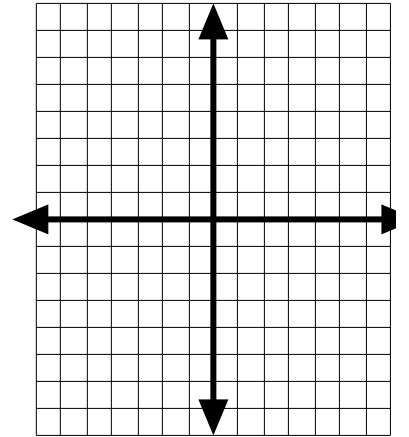
“We Do”

8.) $x \leq 3$

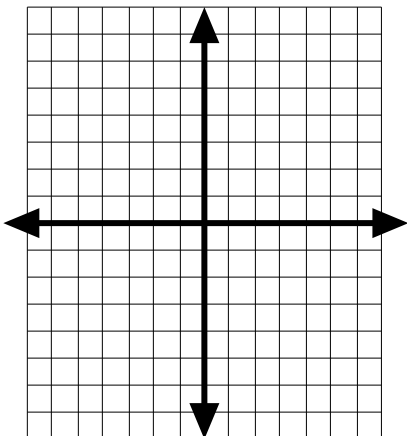


“You Do”

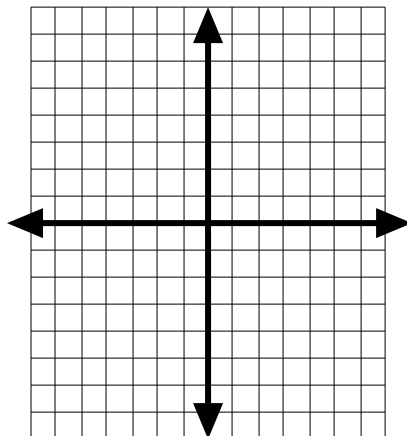
9.) $x < 2$



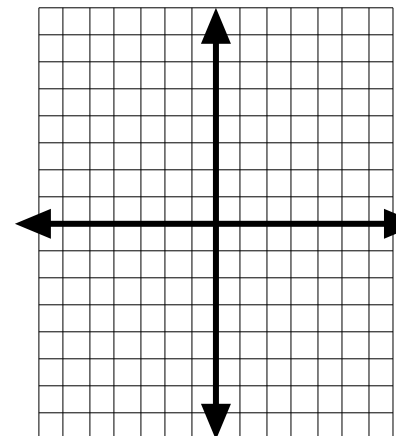
10.) $y \geq \frac{2}{3}x - 1$



11.) $y < 2x - 4$

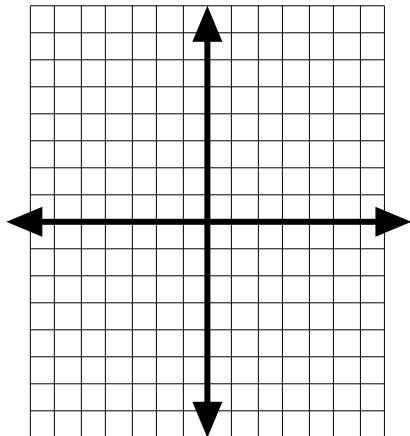


12.) $y \leq \frac{4}{3}x + 1$



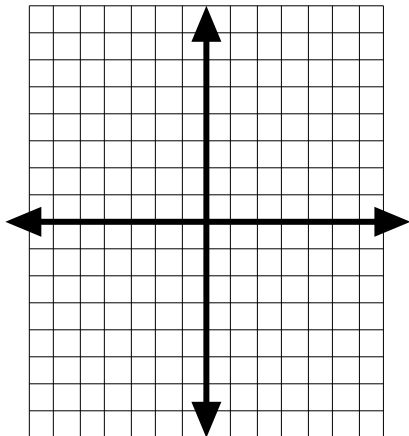
“I Do”

13.) $x + y < 4$



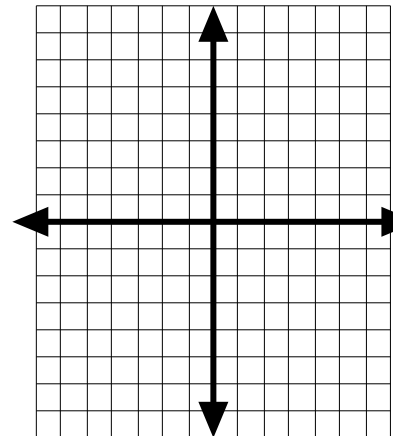
“We Do”

14.) $2x + 3y \leq 6$



“You Do”

15.) $x - 2y < 4$



Determine whether the ordered pair is a solution to the inequality. SHOW ALL WORK

“I Do”

16.) $4x + 3y > -2$; $(-3, -1)$

“We Do”

17.) $2x - 4y > 5$; $(5, -1)$

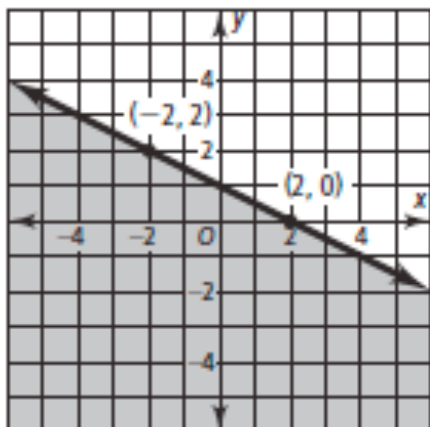
“You Do”

18.) $2x - 4y > 5$; $(5, -1)$

Write the linear equality represented by the graph. THEN GIVE A SOLUTION TO THE INEQUALITY

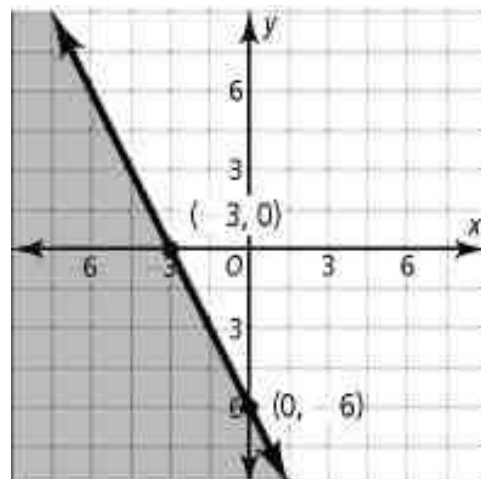
“I Do”

19.)



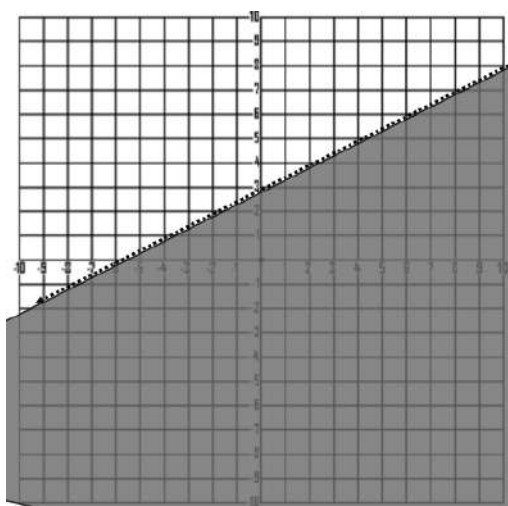
“We Do”

20.)



“YOU DO”

21.)



“YOU DO”

22.)

