

NAME

QUARTER

GRADE & SECTION

DATE

Activity: Graphing Linear Inequalities in Two Variables

Part I. Answer the question as a review before graphing linear inequalities.

1. What is the graph of a linear inequality in two variables?

2. What is the boundary line when graphing a linear inequality that uses $>$ or $<$?

3. What is the boundary line when graphing a linear inequality that uses $\geq$ or $\leq$?

Part II. Drag the correct inequality symbol to show the linear inequality presented in the graph.

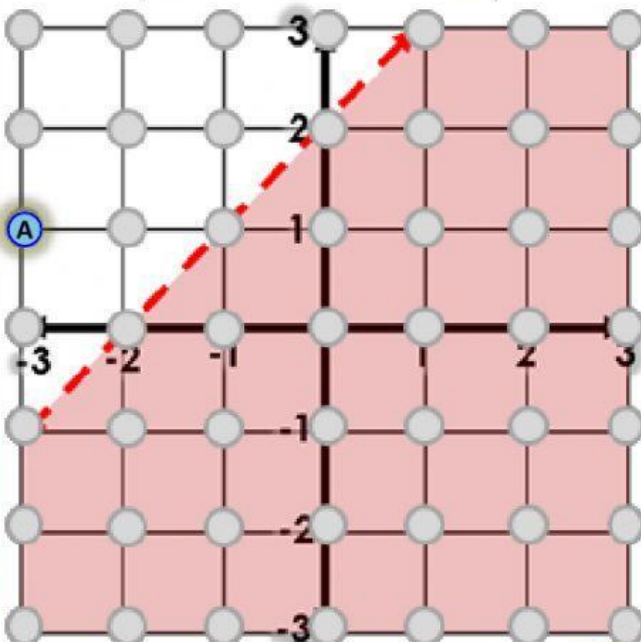
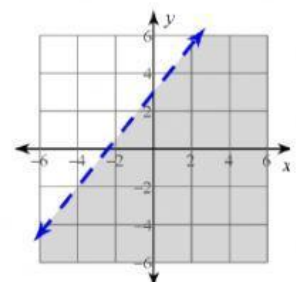
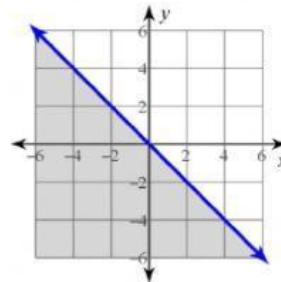
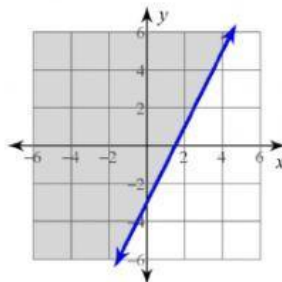
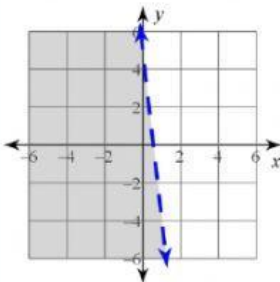
 $>$ $\geq$ $<$ $\leq$

1. y $-9x + 5$

2. y $2x - 3$

3. $x + y$ 0

4. $5x - 4y$ -12



Part III. Drag the point to its corresponding place in the plane then determine if it is a solution or not. The first item is done for you.

$$x - y > -2$$

Is this a solution?

A $(-3, 1)$

NO

B $(2, -1)$ C $(1, 2)$ D $(-1, 1)$ E $(-2, 2)$

This is your ____ attempt.
How well did you do?



Need help!



Just OK!



Splendid!

I HAVE TO KEEP IN MIND THAT:
