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 <?

   _____

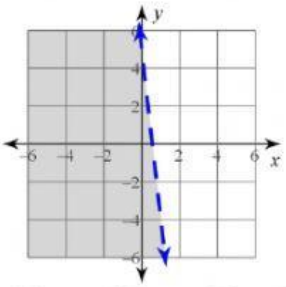
3. What is the boundary line when graphing a linear inequality that uses ≥ or ≤?

   _____

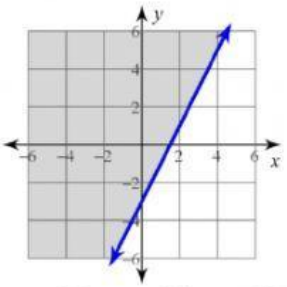
Part II. Drag the correct inequality symbol to show the linear inequality presented in the graph.

> ≥ < ≤

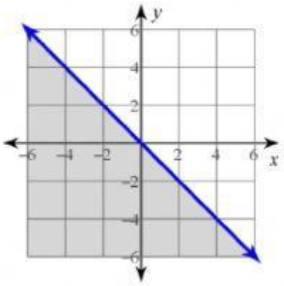
1. $y \square -9x + 5$



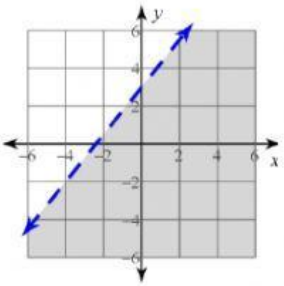
2. $y \square 2x - 3$



3. $x + y \square 0$

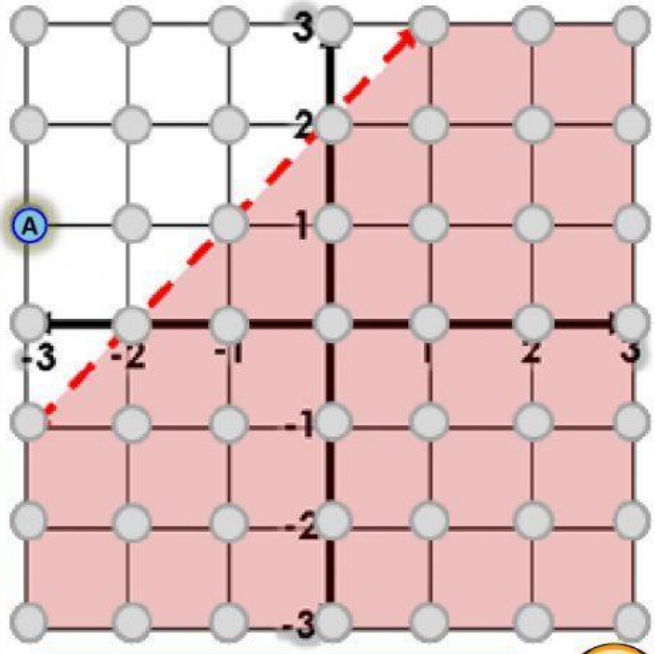


4. $5x - 4y \square -12$



Part III. Drag the point to its corresponding place in the plane then determine of 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:

_____

_____

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