		D	ate:	
Торіс:		С	Class:	
Main Ideas/Questions	Notes/Examples			
LINEAR INEQUALITY				
<b>SOLUTION</b> to a Linear Inequality				
EXAMPLE	Determine which ordered pairs are solutions to the linear inequality below: 2x - 3y < 15			
	(2, 5)	(-1,- 7)	(3, -4)	(0, 0)
<b>GRAPHING</b> Linear Inequalities	Graphing linear inequalities is a way to show ALL the ordered pairs that are solutions! Steps to graph: Put the inequality in form. Be sure to flip the inequality symbol if you multiply or divide by a			
<b>GRAPHING</b> Linear Inequalities	Graphir order	ng linear inequalities red pairs that are solu ry in	is a way to sho utions! Steps to	w ALL the graph: form.
<b>GRAPHING</b> Linear Inequalities	Graphir order Put the inequalit Be sure to flip the negative number Graph the line! Use a Use a Use a	ng linear inequalities red pairs that are solu ry in e inequality symbol it er! line fo	is a way to sho utions! Steps to you multiply o or or or or	w ALL the graph: form. r divide by a symbols. symbols.
<b>GRAPHING</b> Linear Inequalities	Graphin order Put the inequalit Be sure to flip the negative number Graph the line! Use a Use a Shade! Shade Shade	ng linear inequalities red pairs that are solution by in	is a way to sha prions! Steps to or or or or r or	w ALL the graph: form. r divide by a symbols. symbols. symbols.



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Linear Inequalities

## Graph the following linear inequalities.

**1.**  $y \le -2x + 1$ 

**2.** 2x - 5y < 20

**3.** x - 3y < 0







## Select the inequality that best represents the graph.





5.



**A.** x < -2</li> **B.** y < -2</li> **C.** x > -2 **D.** y > -2