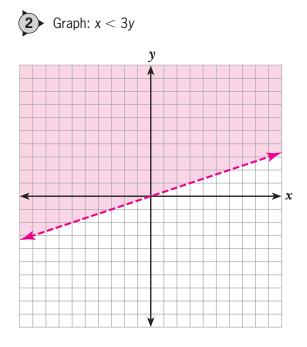
NAME			
Module 7	Solving Linear Equations and Inequalities of Two Variables		auided
Lesson 3	Graphing Linear Inequalities of Two Variables	f	notes
	<b>Objective</b> inear inequalities of two variables.		- Annanan
Graph			)
In the proble	m, graph on the number line, $x \leq$	5, the circle at the	point 5 is
closed becau	ise <i>x</i> may be <b>equal</b> to	5.	
For a linear i	nequality with two variables, a lin	ne, called a <b>bounda</b>	<u>у</u>
line, splits the	e coordinate plane into two parts.		
We draw a sc	lid boundary line if the points on	the line are solution	ns to the
inequality. O	therwise, we draw a <b>dashed</b>	boundary line	
Graph x	> -3 on the coordinate plane		
Graph x	> –3 on the coordinate plane.	Dashed line	Solid line
Graph x	-3 on the coordinate plane.   y	Dashed line <	Solid line ≤
Graph x	> –3 on the coordinate plane.	<	$\leq$
Graph x	> –3 on the coordinate plane.		
Graph x	> -3 on the coordinate plane.	<	$\leq$
Graph x	> -3 on the coordinate plane.	<	$\leq$
Graph x		<	$\leq$
Graph x		<	$\leq$
Graph x		<	$\leq$
Graph x		<	$\leq$
Graph x		<	$\leq$
Graph x		<	$\leq$
Graph x		<	$\leq$

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To solve a linear inequality of two variables, you:

- Graph the **boundary** line.
- Use a dashed or solid line based on the type of inequality.
- Pick a point on either side of the boundary line.

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Module 7 Lesson 3

Guided Notes

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