





Name: _____

Class/Block: _____ Date: _____

Graphing Inequalities

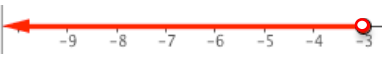








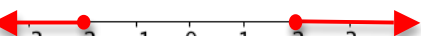
Part I. Look at the statement and the representation. Decide if the representation is correct for the given statement. Explain why or why not.

No.	Statement	Graph / Representation	Choice	Explain your reasoning
1.	More than 12 students went on the ski trip.		<input type="checkbox"/> A. Correct <input type="checkbox"/> B. Incorrect	
2.	Sue swam more than 50 meters.	$x > 50$	<input type="checkbox"/> A. Correct <input type="checkbox"/> B. Incorrect	
3.	Southern Maine received less than 5 inches of snow in the last storm.		<input type="checkbox"/> A. Correct <input type="checkbox"/> B. Incorrect	
4.	Students under 12 years old get in the park for free.	$x \leq 12$	<input type="checkbox"/> A. Correct <input type="checkbox"/> B. Incorrect	
5.	Judy's doctor recommended that she eat no more than 6 grams of fat at each meal.		<input type="checkbox"/> A. Correct <input type="checkbox"/> B. Incorrect	
6.	At least 7 of the soccer games were rained out.	$x < 7$	<input type="checkbox"/> A. Correct <input type="checkbox"/> B. Incorrect	
7.	John ran more than five miles.		<input type="checkbox"/> A. Correct <input type="checkbox"/> B. Incorrect	

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Part II. Look at the inequality and the representation. Decide if the representation is correct for the given inequality. Explain why or why not.

No.	Inequality	Graph / Representation	Choice	Explain your reasoning
1.	$-3 < x$		<input type="checkbox"/> A. Correct <input type="checkbox"/> B. Incorrect	
2.	$2 \geq x$		<input type="checkbox"/> A. Correct <input type="checkbox"/> B. Incorrect	
3.	$4 \leq x$		<input type="checkbox"/> A. Correct <input type="checkbox"/> B. Incorrect	
4.	$x-2 > 3$		<input type="checkbox"/> A. Correct <input type="checkbox"/> B. Incorrect	
5.	$5+x < 7$		<input type="checkbox"/> A. Correct <input type="checkbox"/> B. Incorrect	
6.	$2x \geq 6$		<input type="checkbox"/> A. Correct <input type="checkbox"/> B. Incorrect	
7.	$-x < 4$		<input type="checkbox"/> A. Correct <input type="checkbox"/> B. Incorrect	
8.	$\frac{1}{2}x > -3$		<input type="checkbox"/> A. Correct <input type="checkbox"/> B. Incorrect	
9.	$ x \leq 4$		<input type="checkbox"/> A. Correct <input type="checkbox"/> B. Incorrect	
10.	$ x \geq 2$		<input type="checkbox"/> A. Correct <input type="checkbox"/> B. Incorrect	

