(Res la	Assess Thinking)
V	12	TIMIKING	

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.	i1 12 13 14 15 16 17	A. Correct	
2.	Sue swam more than 50 meters.	x > 50	A. Correct	
3.	Southern Maine received less than 5 inches of snow in the last storm.	0 1 2 3 4 5	A. Correct	
4.	Students under 12 years old get in the park for free.	x ≤ 12	A. Correct	
5.	Judy's doctor recommended that she eat no more than 6 grams of fat at each meal.	9 i ż ś 4 5 6	A. Correct	
6.	At least 7 of the soccer games were rained out.	x < 7	A. Correct	
7.	John ran more than five miles.	9 6 7 8 9 10	A. Correct	



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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	-9 -8 -7 -6 -5 -4 -3	A. Correct	
2.	$2 \ge x$	0 1 2 3 4 5 6 7 8 9 10	A. Correct	
3.	$4 \le x$	- 4 5 6 7 8 9 10	A. Correct	
4.	x-2 > 3	4 5 6 7 8 9 10	A. Correct	
5.	5+x < 7	-9 -8 -7 -6 -5 -4 -3 -2	A. Correct	
6.	$2x \ge 6$	3 4 5 6 7 8 9 10	A. Correct	
7.	-x < 4		A. Correct	
8.	¹ / ₂ x > - 3		A. Correct	
9.	$ x \leq 4$		A. Correct	
10.	$ x \ge 2$	-3 -2 -1 0 1 2 3	A. Correct	

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