Name:	Date:
Topic:	Class:

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Main Ideas/Questions	Note	s		
		GREATER THAN/GREATER THAN OR EQUAL TO		
Absolute Value Unequalities	CASE 1	Example: $ x  \ge 5$		
		LESS THAN/LESS THAN OR EQUAL TO		
	CASE 2	Example: $ x  \le 8$ $\underbrace{-8  -6  -4  -2  0  2  4  6  8}_{-8  -6  -4  -2  0  2  4  6  8}$ Interval Notation:		
What does				
this mean?				
Steps to Solve		ISOLATE the absolute value expression.		
	CREATE TWO CASES: Use the "KISS" Method (Keep it, switch, switch) to set up the two cases.			
		SOLVE both inequalities.		
	GRAPH the solution and write your answer in interval notation.			
<b>Directions:</b> Solve, graph,	and w	rite the solutions to the following inequalities in interval notation.		
<b>1.</b> $ x  < 7$		\(\begin{array}{cccccccccccccccccccccccccccccccccccc		
<b>2.</b> $ x  \ge 4$				
		<del>&lt; 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</del>		
		Interval Notation:		
<b>3.</b> $ x-1  > 6$		-8 -6 -4 -2 0 2 4 6 8		
		Interval Notation:		
<b>4.</b> $ x+2  \le 7$		<del>&lt; 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</del>		
		Interval Notation:		

