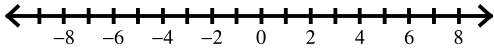
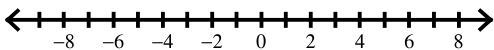
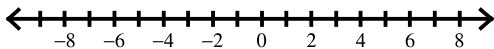
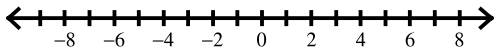
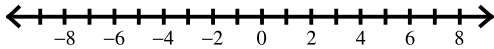
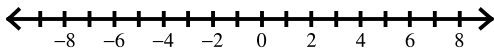
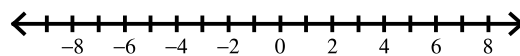


Name:	Date:
Topic:	Class:

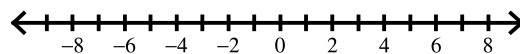
Main Ideas/Questions	Notes	
Absolute Value Inequalities	CASE 1	GREATER THAN/GREATER THAN OR EQUAL TO
		Example: $ x \geq 5$  Interval Notation:
	CASE 2	LESS THAN/LESS THAN OR EQUAL TO
		Example: $ x \leq 8$  Interval Notation:
What does this mean?		
Steps to solve		ISOLATE the absolute value expression.
		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.
Directions: Solve, graph, and write the solutions to the following inequalities in interval notation.		
1. $ x < 7$	 Interval Notation:	
2. $ x \geq 4$	 Interval Notation:	
3. $ x - 1 > 6$	 Interval Notation:	
4. $ x + 2 \leq 7$	 Interval Notation:	

5. $|2x + 5| \geq 3$



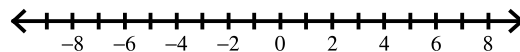
Interval Notation:

6. $|x + 3| - 1 < 5$



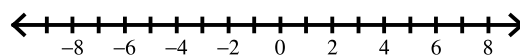
Interval Notation:

7. $3|2x + 8| \geq 30$



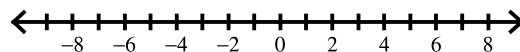
Interval Notation:

8. $\frac{|4x - 8|}{-2} \leq -6$



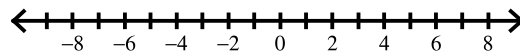
Interval Notation:

9. $10|x - 4| - 3 > 47$



Interval Notation:

10. $\frac{1}{2}|4x - 4| + 11 \leq 15$



Interval Notation: