Name:	Date:	Unit 1 Class Work

Solving Absolute Value Inequalities Class Work

Objective: Today you will be able to combine your knowledge of solving inequalities and solving absolute value equations to solve and graph your solutions to absolute value inequalities.

Example: Solve and graph your solution to the inequality.

$$6|6-2p|+3 \ge 15$$

Now, let's summarize the steps				
First we				
Then we				
The first equation				
The second equation				
Always remember to				
Finally,				

Now You Try Some!

Solve and graph your solution to each inequality. Also write your solution as a compound inequality.

2.
$$4|-k+7| \ge 20$$

4.
$$3 \le 4 | v - 1 | - 5$$

5.
$$12 > 7|6v + 8| - 2$$

6.
$$-2|m-8|+5 \le -7$$

One Last Problem Before You Leave: Solve & graph.

$$3|8-x|+1<10$$

Do you have any questions for me about today's lesson? If so, write them.