Name	Date	Period	RP
ABSOLUTE VALUE INEQUALITIES WORKSHEET			
Solve and then graph the following inequalities:			
1. $ 2x-5 +2 \le 13$	2. $ 6-3x < 1$	5	
<	4 + + + + +		
3. $ 5 - x + 4 \le 9$	4. $ 11-2x -6$	6 > 11	
<	← + + + + + +		· · · · · · →
5 7 - x + 2 > 12	6 9 $- x+4 $	< 5	
<	< + + + + + +		+ + + + + + +

7. Which of the following is the inequality of the graph below?



9) The weight of a 40 lb bag of fertilizer varies as much as 4 oz from the stated weight. Write an absolute value inequality and a compound inequality for the weight, *w*, of a bag of fertilizer.

10) Write an absolute value inequality and a compound inequality for the temperature, *t*, that was recorded to be as low as 65° F and as high as 87° F on a certain day.

11) The duration of a telephone call to a software company's help desk is at least 2.5 minutes and at most 25 minutes. Write an absolute value inequality and a compound inequality for the duration, d, of a telephone call.

12) The circumference, c, of basketball for woman must be between 28.5 and 29 inches. Write an absolute value inequality and a compound inequality for the circumference.