

ALGEBRA I  
ABSOLUTE INEQUALITIES #1  
Solve and graph the following.

NAME: \_\_\_\_\_  
PER: \_\_\_\_\_

1.  $|x| > 1$

2.  $|x| < 2$

3.  $|x + 3| < 10$

4.  $|y + 4| > 12$

5.  $|y - 1| \leq 8$

6.  $|p - 6| \geq 5$

6.  $|3c - 4| > 12$

7.  $\left| 2t + \frac{2}{3} \right| \leq 4$

Write an absolute value inequality that represents each set of numbers.

8. all real numbers less than 3 units from 0      9. all real numbers at most 6 units from 0

10. all real numbers more than 4 units from 6

11. all real numbers at least 3 units from -2