

Topic 1.7  
Solving Absolute Value Inequalities  
Homework

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Solve each inequality, then graph the solutions set.**

1.  $3x - 2 > 13$  or  $6x + 4 < -14$

2.  $3 \leq 2g + 7$  and  $2g + 7 \leq 15$

3.  $-9 < 2z + 7 < 10$

4.  $5m - 8 \geq 10 - m$  or  $5m + 11 < -9$

5.  $2v - 2 \leq 3v$  and  $4v - 1 \geq 3v$

6.  $4j + 3 < j + 22$  and  $j - 3 < 2j - 15$

7.  $|g + 6| \geq 8$

8.  $|y - 9| < 19$

9.  $|14 - w| \geq 20$

10.  $|a + 5| \geq 0$