

Name: _____

Unit 1: Equations & Inequalities

Date: _____ Bell: _____

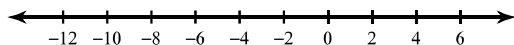
Homework 6: Absolute Value Inequalities



**** This is a 2-page document! ****

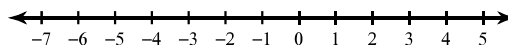
Directions: Solve, graph, and write the solution to each inequality in interval notation.

1. $|b + 3| \geq 7$



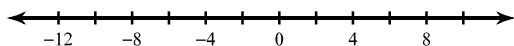
Interval Notation:

2. $|-2v - 4| < 8$



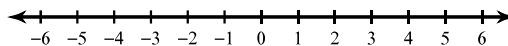
Interval Notation:

3. $|5k + 4| \geq 36$



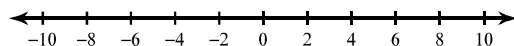
Interval Notation:

4. $|3 - 9y| \leq 33$



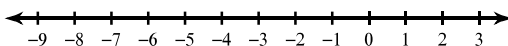
Interval Notation:

5. $\left|\frac{n}{7}\right| - 6 > -5$



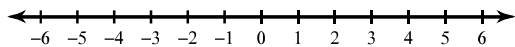
Interval Notation:

6. $\frac{|5 + 3w|}{-2} \leq -1$



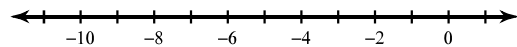
Interval Notation:

7. $7|4a - 6| < 42$



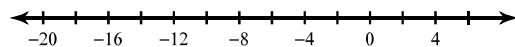
Interval Notation:

8. $2 - 9|p + 7| > -16$



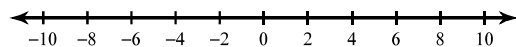
Interval Notation:

9. $3|z + 4| - 13 \leq -1$



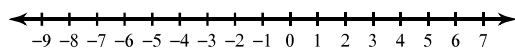
Interval Notation:

10. $\frac{|-2m|}{3} + 3 > 8$



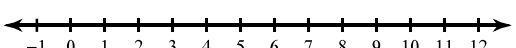
Interval Notation:

11. $4|8y + 7| - 9 < 91$



Interval Notation:

12. $2 - 5|10 - 2n| \geq -28$



Interval Notation: