

Absolute Value Inequalities

Date _____

Solve each inequality and graph its solution.

1) $\left|\frac{p}{4}\right| \geq -5$

2) $|4b| < 12$

3) $|9x| \geq 54$

4) $\left|\frac{n}{2}\right| \geq 1$

5) $|7 + x| < 4$

6) $|-6x + 5| < 65$

7) $|-6x - 2| < 4$

8) $|9a - 3| > 15$

$$9) -2|-7n - 6| > -16$$

$$10) \frac{|10r - 5|}{7} < 1$$

$$11) |4m + 8| + 9 \leq 49$$

$$12) 9\left|\frac{n}{9}\right| - 3 \geq 3$$

$$13) 7 + 7|7n| \leq 105$$

$$14) 9|5v| + 9 > 54$$