

guided notes

NAME _____

Module 6 Solving Absolute Value Equations and Inequalities

Lesson 4 Solving Inequalities Using “Absolute Value is Greater Than”

Lesson Objective

- Solve inequalities containing the absolute value expression “is greater than” or the absolute value expression “is greater than or equal to.”

The absolute value of a number x is its **distance** _____ from **zero** _____ to x .

The inequality $|x| > 2$ is equivalent to the **disjunction** _____ $x > 2$ or $x < -2$.

Solve and graph.

<p>1 $n \geq 3$ $n \geq 3$ or $n \leq -3$</p>	
<p>2 $9p > 27$ $p > 3$ or $p < -3$</p>	
<p>3 $-6 < k + 4$ all real numbers</p>	
<p>4 $3d - 4 > 0$ $d \neq \frac{4}{3}$</p>	
<p>5 $10 + 2 y > 6$ \mathcal{R}</p>	

