

Absolute Value Equations/Inequalities

If b is a positive number

$$|p| = b \quad \Rightarrow \quad p = -b \quad \text{or} \quad p = b$$

$$|p| < b \quad \Rightarrow \quad -b < p < b$$

$$|p| > b \quad \Rightarrow \quad p < -b \quad \text{or} \quad p > b$$