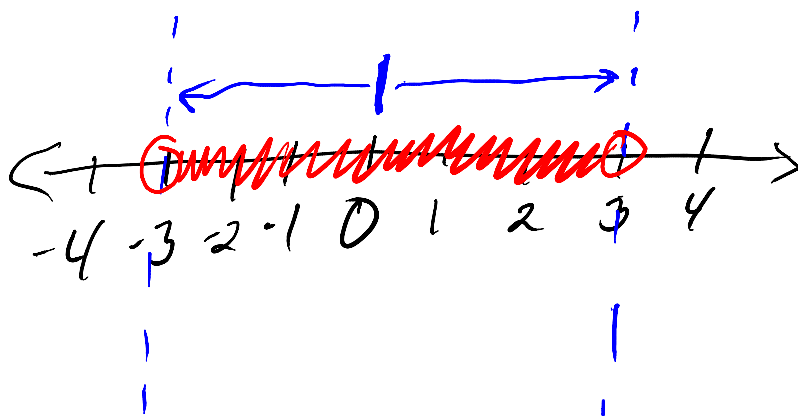


Absolute Value Inequalities

① Less Than ($<$, $\leq$)

$$|x| < 3$$

"Distance btwn x and 0 is less than 3 "

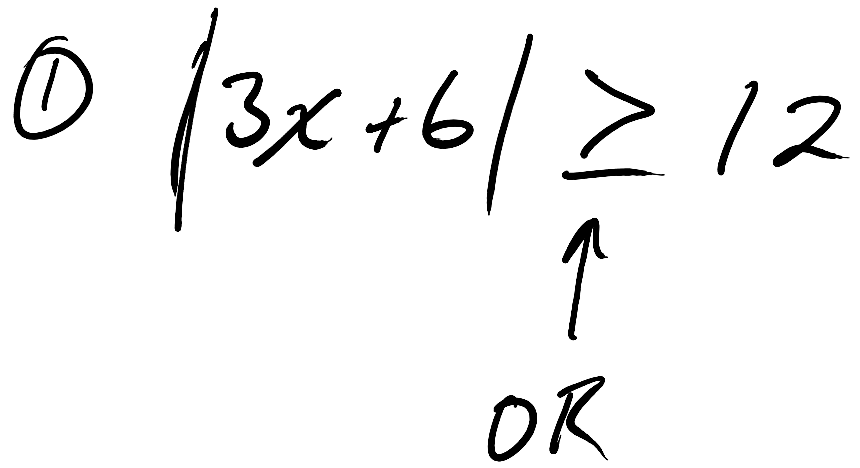


$$x > -3 \text{ AND } x < 3$$

$$-3 < x < 3$$

Case 1: The expression inside the bars is positive or zero.

Case 2: The expression inside the bars is negative



$$3x \geq 6$$

$$3x \leq -18$$

All Real Numbers

$$\textcircled{3} \quad |x+24| < 0$$

No Solution

$$\textcircled{4} \quad |x+1| \leq 0$$

$$x+1 = 0$$

$$x = -1$$

