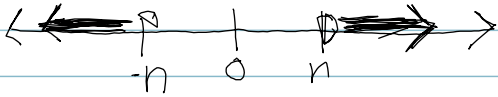


# Lesson 110: Quadratic Inequalities (Greater Than)

$$|x| > n \quad D = \mathbb{R}$$

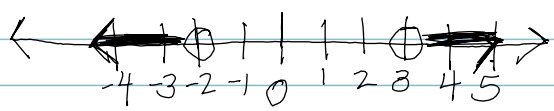
"or"

disjunction



- Step 1: Solve for zero
- Step 2: Factor the quadratic
- Step 3: Graph the disjunction (Remember the domain)

1)  $(x+2)(x-3) > 0 \quad D = \mathbb{R}$   
 $x = -2 \quad x = 3$

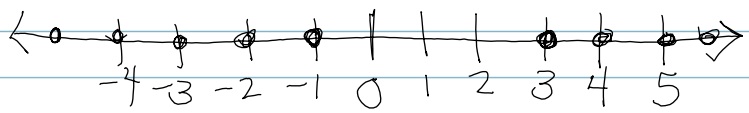


2)  $x^2 - 2x \geq 3 \quad D = \{\text{Integers}\}$

$$x^2 - 2x - 3 \geq 0$$

$$(x-3)(x+1) \geq 0$$

$x = 3 \quad x = -1$



✓