

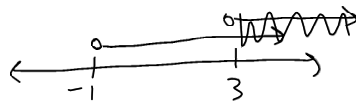
SI L3 Solving Quadratic Inequalities in One Variable.notebook

Case 1 both are positive

$$x-3 > 0 \text{ and } x+1 > 0$$

$$x > 3$$

$$x > -1$$



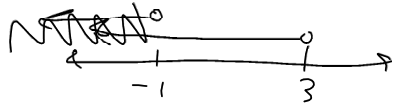
$(3, \infty)$

Case 2 both are negative

$$x-3 < 0 \text{ and } x+1 < 0$$

$$x < 3$$

$$x < -1$$



$(-\infty, -1)$

sol'n $(-\infty, -1) \cup (3, \infty)$