

## Solving Rational Inequalities

1. Get inequality set to ZERO

2. Do you want a positive (+) or negative (-) rational for you final answer?

3. Set numerator = 0 and solve

**Bracket or parenthesis?**

4. Set denominator = 0 and solve

**\*\*Parenthesis ONLY on denominator value!**

5. Use values to break up your number line into intervals



Intervals from number line	Interval 1:	Interval 2:	Interval 3 (if needed)
Test point in each interval			
+ or – if plug test point into numerator			
+ or – if plug test point into denominator			
+ or – of entire rational			

7. Final Answer are intervals that gave you + or – entire rational as decided in step #2

**\*\*Remember**     $+/+ = +$      $-/- = +$      $-/+ = -$      $+/- = -$