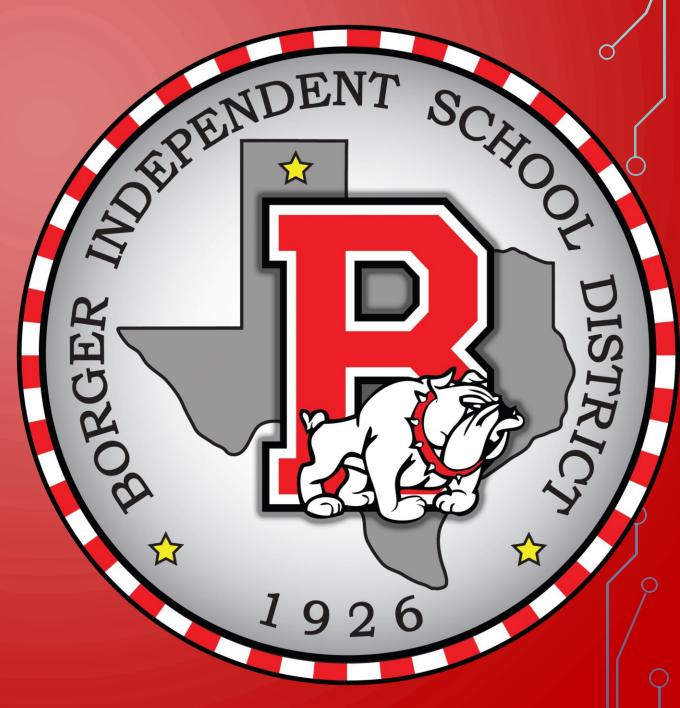
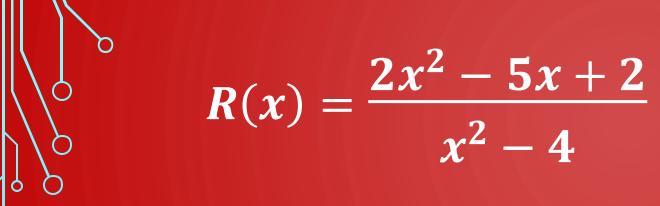
## BOARD NOTES

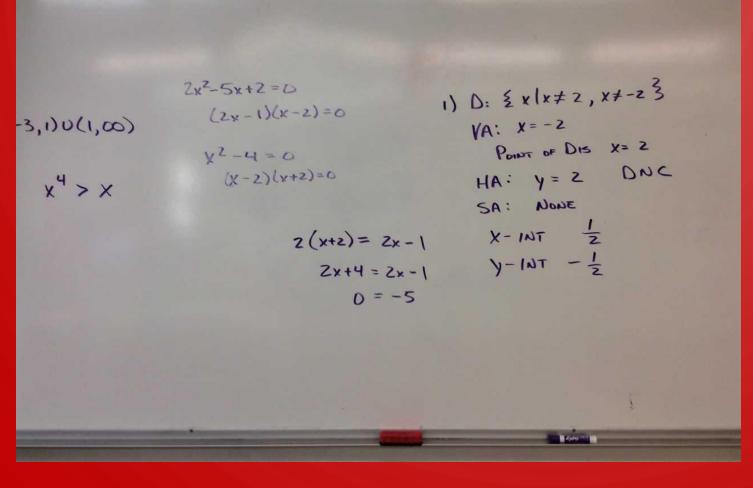
16 OCTOBER 2018





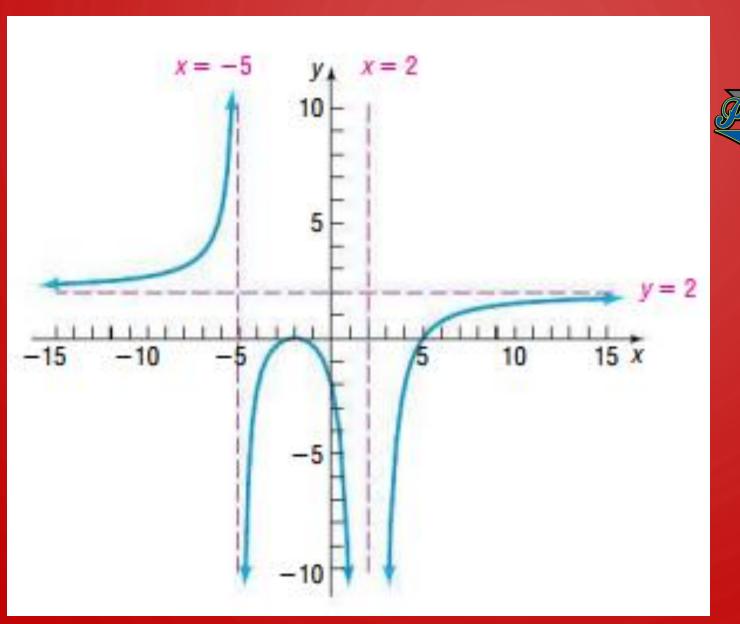


- 1. Domain:
- 2. Vertical Asymptotes:
- 3. Horizontal Asymptotes:
- 4. Slant Asymptotes:
- 5. If HA/SA exists, does it cross?
- 6. x-Intercepts
- 7. y-Intercepts



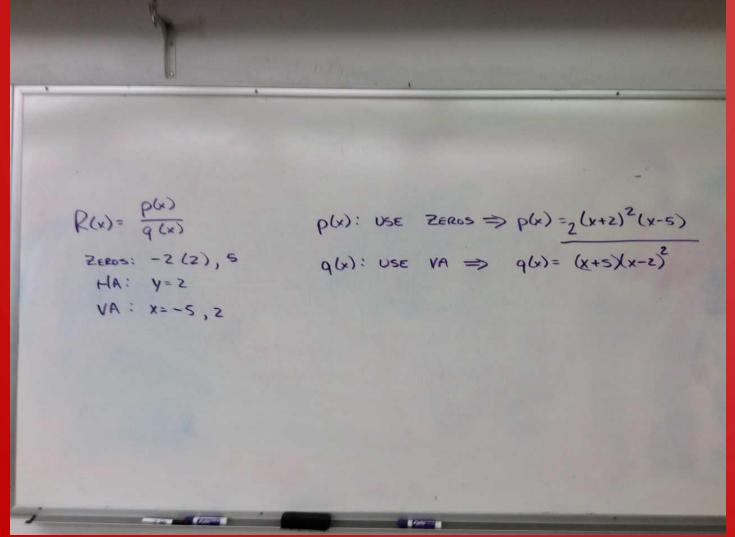








What is a possible equation for the graph?





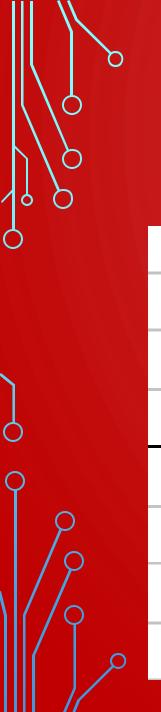


## CC PRECALCULUS CHAPTER 4 — POLYNOMIAL AND RATIONAL FUNCTION

• SECTION 4.4 - POLYNOMIAL AND RATIONAL INEQUALITIES

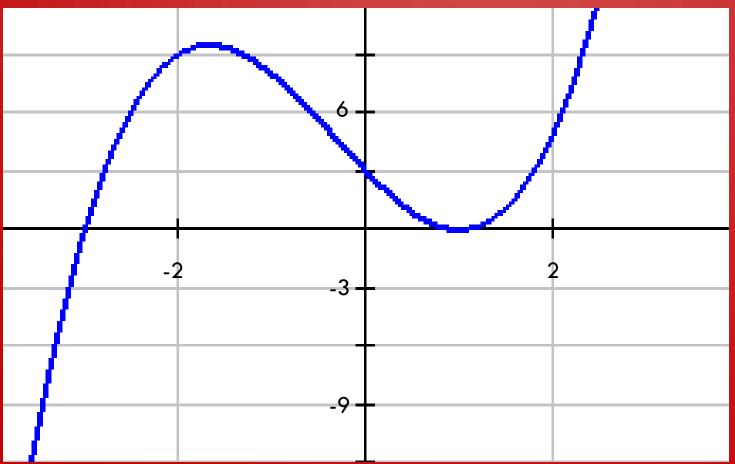


- Solve polynomial inequalities
- Solve rational inequalities

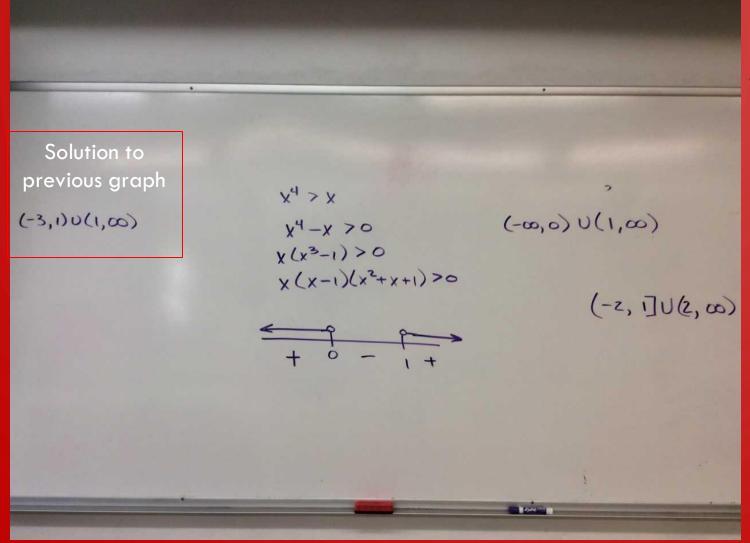






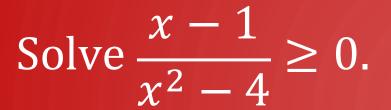


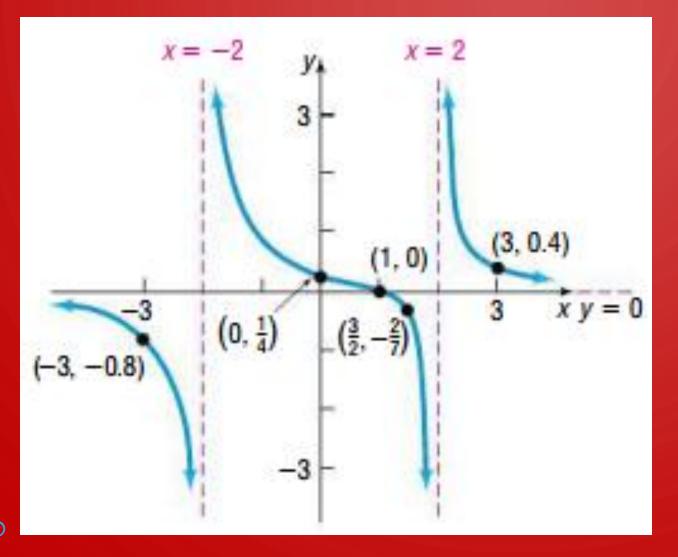
## > Solve $x^4 > x$ algebraically.



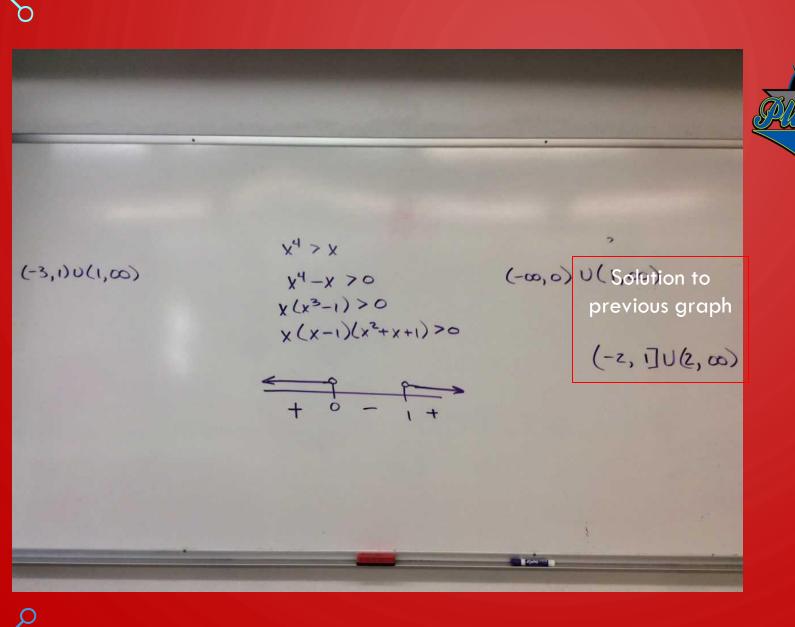






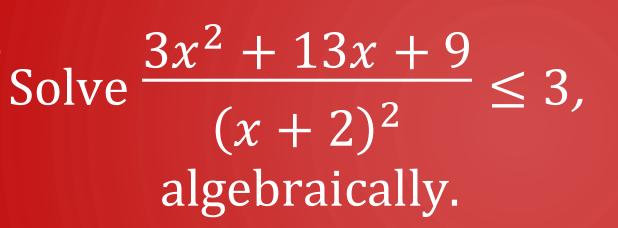












$$\frac{3x^2 + 13x + 9}{(x+2)^2} - 3 \le 0$$

$$\frac{3x^2 + 13x + 9 - 3x^2 - 12x - 12}{(x+2)^2} \le 0$$

$$\frac{x-3}{(x+2)^2} \le 0$$

