

2.3 Polynomial Inequalities

Name _____

Solve each inequality using a sign chart. Write your answers using intervals!

1. $x^3 - x > 0$

2. $(x - 1)(x + 4) < 0$

3. $x^2 > 25$

4. $6x - 9 < x^2$

5. $x^3 + 3x^2 \geq x + 3$

6. $4x^3 - 7x^2 \leq 15x$