4.5 Rational Root Theorem (Day 2)

OBJ: To solve equations using the Rational Root Theorem



Name

Use the Rational Root Theorem to list all possible rational roots for each equation. Then find any actual rational roots.

1.
$$x^3 - 2x^2 - 5x + 6 = 0$$

2. $x^3 + x^2 - 17x + 15 = 0$

3. $x^3 - 5x^2 - 2x + 24 = 0$

4. $2x^3 + 5x^2 + 4x + 1 = 0$

5. $5x^3 - 11x^2 + 7x - 1 = 0$

6. $2x^3 - 3x^2 - 8x + 12 = 0$

4.5 Rational Root Theorem (Day2) HW

Name_____

Warm-Up

Complete the intro. Problem On the notes.

Divide $2x^4 - 15x^2 - 10x + x^3$