

Algebra 2

Unit 6.3 – Rational Root Theorem I Can Sheet

I Can...

- Find the list of possible rational zeros.
- Find the rational zeros using direct substitution or synthetic division
- Explain what the zeros are and how they are helpful when graphing polynomials.

Items in bold should be turned in to me or placed in your binder.

_____ **video notes**

_____ **worksheet 1 (odds)**

_____ extra video help

_____ extra book practice

_____ pre-mc

_____ **mastery check**

Pre-MC:

1. Which two numbers do you use to help you find the possible rational zeros?

State the possible rational zeros.

2. $f(x) = 5x^3 - 2x^2 + 20x - 8$

Find all the zeros.

3. $2x^4 - 8x^3 + 16x^2 - 32x + 32 = 0$

4. $3x^5 - 2x^4 - 6x^3 + 4x^2 + 3x - 2 = 0$