Pg. 169   2.5 – Zeros of Polynomial Functions

Finding Rational Zeros Algorithm
Step 1: Determine possible zeros

$$\frac{\text{Factors of Constant}}{\text{Factors of Leading Coefficient}}$$

Step 2: Test
       1) Evaluate Algebraically
       2) Synthetic Division
       3) Use TI Table or Trace

Ex 1:
Find all the rational zeros of the function.
$$f(x) = 3x^3 - 19x^2 + 33x - 9$$

Step 1:

Step 2: Option 1

       Option 2

       Option 3

Assignment 2.5

       Pg. 179   Problem Set #'s 1– 41 ODD, 103, 105

       REQUIRED: 11, 17, 21, 33, 37, 103, 105