

Practice Worksheet 4-4
Assignment #5
The Rational Root Theorem

Name _____
Date _____

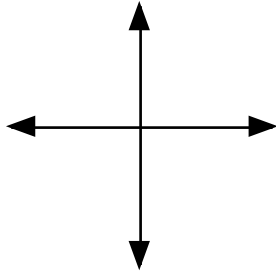
List all possible rational zeros of each function. Then determine all roots of the related equation.

SHOW ALL WORK!

1. $f(x) = x^3 - 9x^2 + 27x - 27$

2. $f(x) = x^4 - 4x^3 + 7x^2 - 12x + 12$

$\frac{p}{q} =$

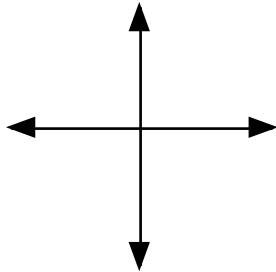


work:

roots: _____

3. $f(x) = 4x^3 + 9x^2 - 29x + 15$

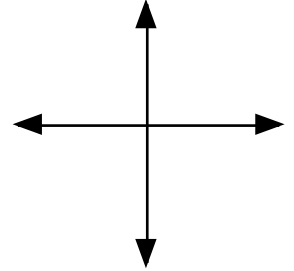
$\frac{p}{q} =$



work:

roots: _____

$\frac{p}{q} =$

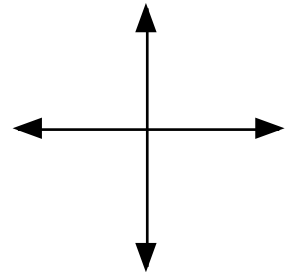


work:

roots: _____

4. $f(x) = 36x^2 - 13x + 1$

$\frac{p}{q} =$



work:

roots: _____