

Name \_\_\_\_\_

## Pre-Calculus Classwork Questions – Graphing Polynomials

Directions. For each question:

1. Find roots.
2. Do Intermediate Value Tests
3. Determine End-Behavior by Linear Coefficient Test
4. Sketch the Graph.

1)  $f(t) = t^3 - 8t^2 + 16t$

2)  $f(x) = 3x^4 - 9x^2 + 6$

3)  $f(x) = x^4 - x^3 - 30x^2$