

Math 41
Quiz 4
February 26, 2016

NAME _____

1. Use the Leading Coefficient Test to determine the left and right hand end behavior of the graphs of polynomial functions.

a. $f(x) = 4x^5 - 2x^3 + 4x^2 - 5$

b. $g(x) = -3x^4 + 6x^3 - 2x^2 + 4x - 1$

2. Find all real zeros of the function by factoring: $f(x) = x^2 + 2x - 8$

3. Find all real zeros of the function by factoring: $f(x) = 2x^3 - x^2 - 6x + 3$