Quiz 2 - MATH 151

DATE: Week 3, January 28 - February 1

INSTRUCTOR: George Voutsadakis

Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points.

GOOD LUCK!!

1. Let $f(x) = -2(x-5)^3(x+11)^4$.
   (a) Is f a polynomial function? What is its degree? (1 point)
   (b) Identify a power function whose graph resembles the graph of $f(x)$ for large values of x. (2 points)
   (c) Find the end behavior of $f(x)$. (2 points)
2. Find the domain of the rational function $f(x) = \frac{5-x}{x^2-4}$. (5 points)