Quiz 11 - MATH 151

DATE: Week 14, April 21 - 25

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. Use the first derivative test to find the relative minima and relative maxima of the function $f(x) = x^4 - 32x + 4$. (5 points)

2. Make the sign table (signs of first derivative, signs of second derivative and arrows for f) for the function $f(x) = (x-5)^3(x-1)$. (5 points)