Quiz 8 - MATH 151

DATE: Week 12, March 31-April 4

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. Compute the derivative of $f(x) = \frac{1}{(x^3 - 5x^2 + 7)^5}$ (5 points)

2. Find an equation for the tangent line to the graph of $f(x) = \frac{x+3}{x^2-3}$ at $x = -2$. (5 points)