

## 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  $f(x) = (x^4 + 8x^3 - x^2)^7$  (5 points)
2. Find an equation for the tangent line to the graph of  $f(x) = \frac{x-2}{x^2-8}$  at  $x = 3$ . (5 points)