Quiz 10 - MATH 151
DATE: Week 14, April 14 - 18
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 second derivative of $f(x) = x^7 \ln x$ (5 points)

2. Compute $\frac{dy}{dx}$ if $e^{-3x} + e^{3y} + x^2 - y^2 = 1$. (5 points)