

## 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  $f(x) = \frac{x}{x^2-4}$  (5 points)
2. Compute  $\frac{dy}{dx}$  if  $e^y + x^2 - y^2 = e^{7x}$ . (5 points)