

Quiz 10

MAT 201, SPRING 2017

NAME:

1. (10 points) Find the absolute maximum and absolute minimum of the function

$$f(x) = \frac{x}{x^2 + 1}$$

when x is contained in the interval $[0, 3]$.

2. (10 points) Find all critical points of the function $y = 2x^4 - 8x^2$. Classify each point as a local maximum, local minimum, or neither.