# In-Class Quiz 3

## November 1, 2019

### Name:

1. (10 points) Where is the function given by

$$f(x) = \begin{cases} -x^2, & \text{for } x < 0 \\ x, & \text{for } 0 \leq x < 1 \\ 1/x, & \text{for } 1 \leq x \leq 3 \\ x^2 + 1, & \text{for } x > 3 \end{cases}$$

continuous?