

# Retake 10

MAT 201, SPRING 2017

NAME:

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

$$f(x) = \frac{20 - 10x}{x^2}$$

when  $x$  is contained in the interval  $[2, 10]$ .

2. (10 points) Find all critical points of the function  $y = 2x^3 - 2x$ . Classify each point as a local maximum, local minimum, or neither.