

NAME:

Math 2551 (L1-L3)
2/24/2016

Quiz 5

1. Find the absolute minimum and absolute maximum of the function

$$f(x, y) = 2x^2 + 2y^2 - x + y$$

on the domain $\Omega = \{(x, y) : x^2 + y^2 \leq 1\}$.