

Last Name: _____

First Name: _____

Student ID: _____

Quiz 8

Question 1. (5 marks) Evaluate the integral or show that it is divergent

$$\int_1^{\infty} \frac{\arctan x}{x^2} dx$$

Question 2. (5 marks) Find the area bounded by $x + y = 0$ and $x = y^2 + 3y$.