Name: _____

Student ID: _____

Quiz 4

This quiz is graded out of 10 marks. No books, calculators, notes or cell phones are allowed. You must show all your work, the correct answer is worth 1 mark the remaining marks are given for the work. If you need more space for your answer use the back of the page.

Question 1. *(5 marks)* §5.5 #32 Evaluate the indefinite integral.

$$\int \frac{\sin x}{1 + \cos^2 x} \, dx$$

Question 2. *(5 marks)* §5.5 #49 Evaluate the definite integral.

$$\int_e^{e^4} \frac{dx}{x\sqrt{\ln x}}$$