

Name: _____
Student ID: _____

Quiz 5

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) §6.1 #61

If f is continuous and $\int_0^9 f(x) \, dx = 4$, find $\int_0^3 xf(x^2) \, dx$.

Question 2. (5 marks) §6.1 #19

Evaluate the integral.

$$\int_0^1 \frac{y}{e^{2y}} \, dy$$