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. *(3 marks)* §6.1 #13 Evaluate the integral.

$$\int \ln(2x+1)\, dx$$

Question 2. *(4 marks)* §6.1 #24 Evaluate the integral.

$$\int_0^t e^s \sin(t-s)\, ds$$

Question 3. *(3 marks)*§6.2 #8 Evaluate the integral.

$$\int_0^{\pi/2} \sin^2(2\theta)\, d\theta$$