Dawson College: **Calculus II**: 201-NYB-05-S3: Fall 2010

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. §5.5 #50 *(5 marks)* Evaluate the definite integral:

$$\int_0^{1/2} \frac{\arcsin x}{\sqrt{1-x^2}}\, dx$$

Question 2. §6.1 #15 *(5 marks)* Evaluate the definite integral:

$$\int_0^{\pi} t \sin 3t \, dt$$