Name: _____

Student ID: _____

Quiz 6

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)* §6.2 #61 Evaluate the integral by first completing the square.

$$\int \frac{1}{(x^2 + 2x + 2)^2} \, dx$$

Question 2. *(5 marks)* §6.2 #30 Evaluate the integral.

$$\int \frac{x^3}{x^3 + 1} \, dx$$