Name: _____

Student ID: _____

Quiz 7

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)* §6.3 #11 Evaluate the integral.

$$\int_2^3 \frac{1}{x^2 - 1}$$

Question 2. *(5 marks)* §6.3 #22 Evaluate the integral.

$$\int \frac{x^2 - x + 6}{x^3 + 3x} \, dx$$

Question 3. *(5 marks)* §6.2 #44 Evaluate the integral.

$$\int \frac{\sqrt{x^2 - a^2}}{x^4} \, dx$$