

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 #62 Evaluate the integral by first completing the square.

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

Question 2. (5 marks) §6.2 #29 Evaluate the integral.

$$\int \frac{1}{x^3 - 1} dx$$