

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. §6.3 #31 (5 marks) Evaluate the indefinite integral:

$$\int \frac{1}{x^4 - x^2} dx$$

Question 2. (5 marks) Use Simpson's Rule to approximate the given integral with $n = 4$

$$\int_0^1 x \cos x dx$$