

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 #18 (5 marks) Evaluate the indefinite integral:

$$\int \frac{x^2 + 2x - 1}{x^3 - x} dx$$

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

$$\int_0^2 x \sin x dx$$