

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. §6.2 #23 (5 marks) Evaluate the definite integral:

$$\int_0^{\pi/3} \tan^5 x \sec^4 x \, dx$$

Question 2. §6.2 #44 (5 marks) Evaluate the indefinite integral:

$$\int \frac{1}{x^2\sqrt{x^2-9}} dx$$