

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 #6 Evaluate the definite integral.

$$\int_0^{2\pi} \sin^2\left(\frac{1}{3}\theta\right) d\theta$$

Question 2. (5 marks) §6.2 #47 Evaluate the indefinite integral.

$$\int \frac{1}{\sqrt{x^2 - 16}} dx$$