

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 #18 (5 marks) Evaluate the definite integral:

$$\int_0^{\pi/2} \sec^4\left(\frac{t}{2}\right) dt$$

Question 2. §6.2 #45 (5 marks) Evaluate the indefinite integral:

$$\int \frac{1}{\sqrt{x^2 + 16}} dy$$