

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 #43 Evaluate the indefinite integral.

$$\int \frac{1}{x^2 \sqrt{25 - x^2}} dx$$

Question 2. (5 marks) §6.3 #22 Evaluate the indefinite integral.

$$\int \frac{x^2 - x + 6}{x^3 + 3x} dx$$