

Name: _____
Student ID: _____

Quiz 3

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 marks) §5.3 #19 Use the definition of the integral to evaluate the integral (*use the limit process*).

$$\int_{-1}^5 1 + 3x \, dx$$

Question 2. (4 marks) §5.3 #26 Evaluate the integral.

$$\int_0^{\pi/3} \frac{\sin \theta + \sin \theta \tan^2 \theta}{\sec^2 \theta} \, d\theta$$