| Name: | |
|-------------|--|
| Student ID: | |

Quiz 11

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. (3 marks) §28.1 #13 Integrate.

$$\int \frac{5 \arctan 5x}{1 + 25x^2} sx$$

Question 2. (4 marks) §28.2 #19 Evaluate the given definite integral.

$$\int_1^3 \frac{1+x}{4x+2x^2} \, dx$$

Question 3. (3 marks) §28.3 #23 Integrate.

$$\int \frac{e^{\cos 3x}}{\csc 3x} \, dx$$

