

## Quiz 7

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 #32 Evaluate the indefinite integral.

$$\int \csc^4 x \cot^6 x \, dx$$

**Question 2.** (5 marks) §6.5 #8 Use Simpson's Rule to approximate the given integral with  $n = 4$ ,

$$\int_0^{1/2} \sin x^2 \, dx.$$