

Name: \_\_\_\_\_  
Student ID: \_\_\_\_\_

## Quiz 2

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.** (2 marks) pg.255 #40 Find the indefinite integral.

$$\int \sec y (\tan y - \sec y) dy$$

**Question 2.** (4 marks) pg.304 #65 Find the indefinite integral.

$$\int x^2 \sqrt{x+1} dx$$

**Question 3.** (4 marks) pg.305 #53 Find the indefinite integral.

$$\int \frac{\csc^2 x}{\cot^3 x} dx$$