

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.** (4 marks) §5.2 #13 Find the indefinite integral.

$$\int \frac{x^2 - 3x + 2}{x + 1} dx$$

**Question 2.** (2 marks) §5.4 #87 Find the indefinite integral.

$$\int \frac{e^{\sqrt{x}}}{\sqrt{x}} dx$$

**Question 3.** (4 marks) §5.7 #17 Find the indefinite integral.

$$\int \frac{x - 3}{x^2 + 1} dx$$