

Name: _____
Student ID: _____

Quiz 9

This quiz is graded out of 10 marks. No books, 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) pg. 751 #8 Approximate the value of the integral using trapezoidal rule with $n = 4$.

$$\int_2^6 \frac{1}{x+3} dx$$

Question 2. (5 marks) pg. 769 #21 Find the area bounded by the indicated curves.

$$y = x^4 - 8x^2 + 16 \text{ and } y = 16 - x^4$$