Dawson College:	Calculus II	(SCIENCE):	201-NYB-05-S03003:	Winter 2013
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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. (5 marks) §5.1 #5c Estimate the area under the graph of $f(x) = 1 + x^2$ from x = -1 to x = 2 using three rectangles and the midpoints. Sketch the curve and the approximating rectangles.

Question 2. (5 marks) §5.2 #21 Use the form of the definition of the integral given to evaluate the integral.

$$\int_{-2}^{0} (x^2 + x) \, dx$$