Dawson College:	Calculus II	(SCIENCE)	· 201-NYB	-05-809	Winter 2013
Danson Concec.	Calculus II	(DCIENCE)	. 201-11 ID	-05-507.	WIIIICI 2013

Name:	
Student ID:	

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) §6.3 #39 Make a substitution to express the integrand as a rational function and then evaluate the integral.

$$\int \frac{e^{2x}}{e^{2x} + 3e^x + 2} \, dx$$

Question 2. (5 marks) §6.6 #47 Determine whether the integral is convergent or divergent. Evaluate if it convergent.

$$\int_{6}^{8} \frac{4}{(x-6)^3} \, dx$$