Dawson Col	llege: Calculus	II (SCIENCE	a): 201-NYB-05-S	4. Winter 2011
Danson Coi	nege. Carcurus.	II (DCILITOL	1). 201 NID 03 B	T. WILLUI 2011

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) §6.2 #20 Evaluate the integral.

$$\int \frac{x^2}{(x-3)(x+2)^2} \, dx$$

Question 2. (5 marks) §6.6 #31

Determine whether each integral is convergent or divergent. Evaluate those that are convergent.

$$\int_0^2 z^2 \ln z \, dz$$