Dawson College	Calculus II	(SCIENCE)	: 201-NYB-05-S2:	Winter 2012
Danson Concec.	Carculus II	(OCIENCE)	. 201-1110-05-52.	** III(C1 Z01Z

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)  $\S6.6$  #48 Find the values of p for which the integral converges and evaluate the integral for those values of p.

$$\int_{e}^{\infty} \frac{1}{x(\ln x)^{p}} \, dx$$

estion 2. (5 marks) §7.1 #34a Find the number a such that the line $x = a$ bisects the area under the curve $y = 1/x^2$ , $1 \le x \le a$	≤ 4.