Dawson Col	lege: Calculus	II	(SCIENCE)	: 201-N	IYB-05-S09	: Winter 20	13
Dawson Cor	iege. Caiculus	ш	(OCIENCE). ZUI-IN	1 1 D-03-303	. WITHEL Z	v

Name:	
Student ID:	

Quiz 4

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) §5.3 #28 Evaluate the integral.

$$\int_0^2 (|2x-1|) dx$$

Question 2. §5.4 #20

- a. (2 marks) Find the average value of f on the given interval.
- b. (2 marks) Find c such that $f_{ave} = f(c)$.
- c. (1 mark) Sketch the graph of f and a rectangle whose area is the same as the area under the graph of f.

$$f(x) = (x-3)^2$$
, [2,5]