wia	ath 120 Opring 2000	DASIC CALCULUS 2
Qı	uiz <b>1</b>	DUE: MON. FEB. 3
	Name:	
	Date:	<b>Friday January 31</b> Ron Buckmire
	<b>Topic covered:</b> Evaluating Defin	nite Integral Using Riemann Sums
	The point of this quiz is for you to illustrate your grals as well as your understanding of the physical	r ability to use Riemann Sums to evaluate definite quantity definite integrals represent.
I	Reality Check:	
E	EXPECTED SCORE :/10	ACTUAL SCORE :/10
I	Instructions:	
1.	. Once you open the quiz, you have 30 minutes to complete it. Before you open the quiz you should check Blackboard for any hints.	
2.	2. You <b>may not</b> use the book or any of your class notes, but you may use a calculator. You must work alone.	
3.	. If you use extra paper, please staple it to the quiz before coming to class. If you don't have a stapler, buy one.	
4.	After completing the quiz, sign the pledge below stating on your honor that you have adhered to these rules. Complete the reality check to give yourself a sense of how well you think you did on the quiz.	
5.	. Relax and enjoy	
6.	. <b>This quiz is due on Monday, February 3</b> WILL BE ACCEPTED.	s, at the beginning of class. NO LATE QUIZZES

**Pledge:** I, \_\_\_\_\_\_\_, pledge my honor as a human being and Occidental student, that I have followed all the rules above to the letter and in spirit.

## SHOW ALL YOUR WORK

1 (a) (8 points) Give an estimate for the value of  $\int_{-1}^{1} x^3 dx$  using a RIGHT HAND Riemann Sum with four rectangles of equal width.

1 (b) (2 points) Given the information that  $f(x) = x^3$  is an **odd** function, can you give the exact value of the integral in part (a)? EXPLAIN YOUR ANSWER.