Quiz 9	Multivariable Calculus
Name:	
Date: Time Begun: Time Ended:	Friday November 11 Ron Buckmire
Topic: Multiple Integration	
The idea behind this quiz is to provide you with an opp and triple integrals	ortunity to illustrate your ability to evaluate double
Reality Check:	
EXPECTED SCORE :/10	ACTUAL SCORE :/10
Instructions:	
0. Before you open the quiz, check the course w	ebsite or Blackboard for a hint.
1. Once you open the quiz, you have 30 minu	tes to complete it.
2. You may not use your text or any other sou calculator. You must work alone. Do not disc	·
3. If you use your own paper, please staple it that have a stapler, buy or borrow one. UNSTAP	
4. After completing the quiz, sign the pledge bel to these rules.	ow stating on your honor that you have adhered
5. Your solutions must have enough details such and determine HOW you came up with your	2
6. This quiz is due on Monday, Novemb QUIZZES WILL BE ACCEPTED.	er 14, at the beginning of class. NO LATE
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.

Evaluate the following integrals.
1. (3 points)
$$\int_0^1 \int_0^2 (x+y)^2 dx dy$$

2. (3 points)
$$\int_{0}^{1} \int_{y}^{\sqrt{y}} 2xy \ dx \ dy$$

3. (4 points)
$$\int_0^{\sqrt{2}} \int_0^{\sqrt{2-x^2}} \int_{x^2+y^2}^2 x \ dz \ dy \ dx$$