111ath 120 Opting 2011	CALCOLOS 2
Quiz 7	DUE: MON. MAR. 31
	DOE. MON. MAR. 31
Name:	Prof. Ron Buckmire
Date: Time Begun:	Friday March 28
Time Ended:	
Topic covered: Convergence Tests for	or Infinite Series
The student learning outcome of this quiz is to give tests to infinite series.	ve you more practice in applying convergence
Reality Check:	
EXPECTED SCORE :/10	ACTUAL SCORE :/10
Instructions:	
1. Once you open the quiz, you have 30 minutes to o	complete it.
2. You may not use the book or any of your class must work alone.	notes, but you may use a calculator. You
3. If you use extra paper, please staple it to the quantum SHEETS WILL NOT BE GRADED.	niz before coming to class. UNSTAPLED
4. After completing the quiz, sign the pledge below st to these rules. Complete the reality check to give did on the quiz.	<u> </u>
5. Relax and enjoy	
6. This quiz is due on Monday, March 31, at the WILL BE ACCEPTED.	e 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 YOUR WORK

Determine whether the following infinite series converge or diverge. Support your answer by referring to what test you used to make your determination. You get one point for writing the correct choice of convergence and divergence in the box and the rest of the points for the reasoning behind your answer.

1.
$$(3 \text{ points}) \sum_{k=1}^{\infty} \left(-\frac{1}{2}\right)^k$$

2.
$$(4 \ points) \sum_{k=1}^{\infty} \frac{1}{k^2 + 3}$$

3. (3 points)
$$\sum_{k=1}^{\infty} k^{3/2}$$