$\mathsf{BONUS}\ \mathsf{Quiz}\ \mathbf{4}$

DUE: WED. APR. 9

Name:	Prof. Ron Buckmire
Date: Time Begun: Time Ended:	Friday March 7
Topic covered: Infinite Series	
The student learning outcome of this quiz is tests to infinite series.	to give you even more practice in applying convergence
Reality Check:	
EXPECTED SCORE :/10	ACTUAL SCORE :/10
Instructions:	
1. Once you open the quiz, you have 30 min	utes to complete it.
2. You may not use the book or any of you must work alone.	our class notes, but you may use a calculator. You
3. If you use extra paper, please staple it to SHEETS WILL NOT BE GRADED.	to the quiz before coming to class. UNSTAPLED
1 0 1 0 1 0	below stating on your honor that you have adhered to give yourself a sense of how well you think you
5. Relax and enjoy	
6. This quiz is due on Wednesday, April WILL BE ACCEPTED.	${f 9},$ at the ${f beginning}$ of class. NO LATE QUIZZES
Pledge: I,	ledge my honor as a human being and Occidental

SHOW ALL YOUR WORK!

Math 120 Spring 1996 Final Exam, Question #2.

Use the N^{th} Term test, the Basic Comparison Test or the Limit Comparison Test to determine whether or not the following infinite series converge or not.

(i)
$$\sum_{k=1}^{\infty} \left(\frac{2^k}{3^k}\right) \frac{1}{k^4}$$

(ii)
$$\sum_{k=1}^{\infty} \cos(2\pi k)$$

(iii)
$$\sum_{k=1}^{\infty} \left(\frac{k^2 + 3}{k^2} \right) \frac{1}{k^2}$$