UNIVERSITY OF WATERLOO

WATERLOO ONTARIO

STATISTICS 220

QUIZ #1, October 19, 2005

ATTEMPT ALL QUESTIONS; THEY ARE NOT OF EQUAL MARK VALUE

AIDS: Formula sheet (8½ × 11 inches, one side, handwritten only)
Table of the normal distribution (loose copy, *not* the text)
Calculator

TIME: 1½ hours

INSTRUCTOR: W. H. Cherry

NAME (Print) ______________ ______________
(Family) (Given)

I.D. No. ______________________________

Signature ______________________________

QUESTION	MARK
1	/ 7
2	/ 8
3	/ 6
4	/ 7
5	/ 6
6	/ 6
Total	/40

INSTRUCTIONS:

1. Before you begin the quiz, make sure you have all 7 pages.
2. Answer each question in the space provided under the statement of the question. Students are advised to give *complete but concise* answers, particularly for questions (or parts of questions) worth small numbers of marks.
3. It is anticipated that the space provided under the statement of a question will be sufficient for the answer to most or all questions. However, *if* more space is needed, use the page opposite the one on which the question is presented. Make *sure* that any continuation of an answer is clearly labelled.
4. This complete booklet of question-answer sheets is to be submitted for grading.
5. The *method* of solution of some questions on this quiz is important; it may be *more* important than the final answer to the question. An *essential* feature of the method is the clarity and completeness of its presentation.
6. To promote efficient grading, most questions (or parts of questions) on this quiz have a box or other area in which to indicate your answer. Hence, *after you have completed the solution of a question to the best of your ability*, write the relevant answer or expression (if you have obtained one) in the appropriately labelled area, usually at the right-hand side of the page.