Math 144
Fall 2006
R. Schultz

UPDATED GENERAL INFORMATION — DECEMBER 8, 2006

Comments on the final examination, to be given Tuesday, December 12, at 3:00 P. M., in Sproul 1340 (the lecture classroom).

The exam WILL be cumulative. About 40 per cent will deal with topics not covered on earlier exams, and the remainder will involve topics from previous examinations. The new sections not covered on the previous examination are Sections VI.1 – VI.4, VII.1 – VII.2 and VII.4. Knowledge of the basic definitions and results will be tested as usual. In many cases the problem will involve applying definitions to specific examples. Proofs involving material up to Section VI.2 are likely to appear, but material on cardinal numbers for subsequent sections will involve examples.

Some items that most students missed on earlier exams are likely to appear on the final examination in modified forms. Some topics that might be particularly worth reviewing include proofs of basic set-theoretic identities the Boolean algebra structure, basic properties of partially ordered sets and whether they are true for basic sorts of examples, all the basic definitions involving functions and examples of functions with various combinations of properties (including those which may have property A but not property B), proofs by finite induction, and the order-theoretic properties which characterize the integers and the real numbers.

There will be a total of eight problems. The objective was to write an examination that can be completed in two hours, but students will have the entire three hour period from 3 P.M. to 6 P.M. to complete the examination. Information on final grades should be available by the end of the week.