

Guidance for final

Advice

Abstract

What to prepare for the upcoming final.

There will be ten problems on the test carrying a weight of 50 points each. Some of the problems which have been on the midterm will reappear on the final.

The first two problems will ask to state definitions of various notions.

Problem 3 will ask to state some of the important named theorems. For example: State the Heine-Borel Theorem.

Problems three to ten will ask for proofs of theorems and lemmas out of the following list:

From the class room notes, compact sets and continuity:

Lemma 3.1, Lemma 3.2, Lemma 3.3, Theorem 3.1, Theorem 4.1, Theorem 4.2, Theorem 4.3, Theorem 4.4, Theorem 5.1.

The following theorems from the text book:

5.1.7, 5.2.1, 5.2.3, 5.2.5, 5.2.8, 5.3.1, 5.3.3, 5.4.8.

6.2.1, 6.2.2, 6.2.4, 6.4.2, 6.4.4.