

Guidance for midterm test

Advice

Abstract

What to prepare for the upcoming midterm test.

There will be four problems on the test. The first problem will ask to state definitions of various notions.

Problems 2, 3 and 4 will ask for proofs of theorems and lemmas out of the following list:

From the class room notes, The number system, numbers.pdf:

Theorem 4.1, Lemma 4.1, Lemma 4.2, Theorem 4.4, Lemma 4.6.

From the class room notes, compact sets and continuity, Heine-Borel2.pdf:

Lemma 1.1, 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 4.5, Theorem 5.1.