MATH223: Honours Linear Algebra
Midterm 1 information

September 28, 2024

Time and place

Midterm 1 will take place on **Friday, 4/October, 10:00am in our usual classroom** (FSC-Floor 1-Room 1221).

Material covered

Everything up to and including dimension (Section 2C in Axler) is the topic of our midterm (including row reduction that we talked about the first week). The most important concepts that you should be familiar with are:

- Systems of linear equations, augmented matrices and row reduction.

- Vector spaces.

- Subspaces.

- Spand and Linear independence.

- Bases and dimension.

Answering questions

Unless instructed otherwise, you should give complete proofs for all the questions. You may use any Theorem or result that we covered in class or is in the textbook, but whenever you use a nontrivial result, you should refer to it.

Preparing for the test

There is a practice midterm on our course webpage that is similar in length and difficulty to the actual test. To get more practice, I recommend doing the exercises in our textbook. One question on the midterm will be chosen from the exercises in Axler (from sections 1A to 2C).

Accommodations

If you have accommodations with the UBC Centre for Accessibility, please make sure that you are registered to write the test with them.