

V63.0140-3: Linear Algebra. Midterm Practise

Midterm will be Thursday Oct 16, 2003. One hour but I'll give you the whole time if you need it.

The midterm will be about 6 questions, in the style of the first 2 quizzes.

It will include Chapter 3.1, and one technique from Chapter 3.2: computing a determinant using row reduction to E.F. (this is not hard but you should practise a couple of times to drill it in—I give lots of problems from 3.2 below).

Practise questions include the following. You could make your own practise exam by picking 5–6 of them, one from each major section, and throwing in some true/false questions from the supplementary exercises. I apologize if a couple duplicate HW questions. Also, if one seems too hard for an exam, or you are stuck how to do it, email me to ask.

1.1: 15, 28.

1.2: 15, 19.

1.3: 13.

1.4: 11, 14, 18, 19, 24.

1.5: 5, 9, 10, 29–32.

1.6: 5, 12a,c.

1.7: 2, 5, 15, 17, 27, 28.

1.8: 3, 9, 11.

1.9: 2, 9, 10, 17, 25.

Chapter 1 supplementary exercises (p. 102): 1, 4.

2.1: 8, 10.

2.2: 3, 6, 32.

2.3: 5, 15, 17, 19, 24.

2.5: 2, 9.

2.6: 9.

Chapter 2 supplementary exercises (p. 183): 1, 2.

3.1: 7, 8, 10, 12.

3.2: 5, 6, 7, 15, 16, 21, 22, 24, 25.