

Matrices & Linear Algebra I
C Term, Sections C01-C04
W. J. Martin
February 17, 2003

Week 7: Reading and Exercises

Reading

Please read Sections 6.5, 6.6, 6.7 and 8.1 this week. Even before the snow-storm, we were behind last year's class. Now we will have to work hard to cover the basic concepts of eigenvalues and eigenvectors. But we can't include Chapter 8 on Test 3 (at least not explicitly). The lectures after the test will therefore be very important to anyone who wants to finish the course with a solid but very basic foundation in linear algebra. I won't be testing you on Chapter 8, so it will have to be your maturity that brings you to learn this last portion of the course.

Practice Exercises

NOTE: Do not hand in.

Here are some practice problems to work on at home. There are many interesting problems, but I've narrowed down the scope to topics I think will prepare you to do well on the final test.

If you have any questions about these problems, please discuss them in conference or come see me.

- page 272-4, # 1-21 (odd), 29, 35, T.3, T.4, T.12, T.13
- page 282-3, # 1, 5, 7, 11, 13, 17, 19, T.1
- page 303-4, # 1, 3, 5, 11, 13
- page 354-5, # 1, 7, 9, 15, 17, T.6