

Practice 4 – For Final Exam – 04/19/04

Math 341

Note: Exam III covered sections 2.2.2, 2.3-2.5, 2.15, 3.1, 3.3-3.4, 3.8-3.10. Since then, we covered sections 4.1-4.4, 4.6, statement of Thm. 5 in section 4.8, and section 4.10. Below are some practice problems from these recent sections.

I might also post some problems for earlier material, so keep checking the web-page over the next few days.

Problems you should practice from the recent sections for the Final Exam:

1. Section 4.1 # 1, 7, 9.
2. Section 4.2, # 3, 7, 9, 11, 18. Can you explain the stability theorems in this section in a simple way if the matrix A is in Jordan normal form?
3. Section 4.3 # 3, 7, 11.
4. Section 4.4 # 7, 9, 10, 11.
5. Section 4.6 # 1, 4, 6, 8. (if time look at # 14)
6. Section 4.10 # 3, 4, 6.