1. The Final Exam is Monday, December 5, 2PM, in our usual class room.

2. **Be sure to MASTER all of the homework.**

3. The Final Exam is comprehensive.

4. The Final Exam covers sections 1, 2, 3, 5, 6, 7, 9 of Chapter 1; sections 2, 3, 4, 5, 6, 7 of Chapter 3; sections 1, 4, 7 of Chapter 4; and sections 2, 3, 4, 5, and 7 of Chapter 5.


6. Be sure to know many statements which are equivalent to “the matrix $A$ is invertible”.

7. Be able to state and use the Theorem about the linear dependence of $p$ vectors in $m$-space. (I call this the Short Fat Theorem.)

8. Be able to state and use four theorems about dimension.

9. On the final exam, I am not likely to ask you to reproduce the entire proof of a big theorem which we proved in class, but I could ask you to prove a small step of a theorem which we did in class.

10. You are now able to do every question on every old exam, except maybe: Spring 02, Exam 2, problems 8 and 9; Summer 01, Exam 4, problems 6 and 7; Spring 02, Exam 4, problem 7; Spring 02, Final Exam, problems 2, 10; Spring 03, problem 14.