

1. Test 3 is on Friday, December 9. It covers Sections 7.8, 7.9, 7.11, 8.1, 8.2, 8.3 (up to middle of page 471), 8.4 (up to middle of page 490).
2. You may use a scientific calculator, but not a graphing or programmable calculator. You will likely need a calculator with trig functions to compute rotation angles.
3. Anything we covered in class is fair game for the test. The most basic material includes: least squares, the Gram-Schmidt Process, change of basis calculations, facts about similarity and being able to diagonalize a matrix, and graphing quadratic forms.
4. There are two proofs. They will be taken from the following list.
 - Thm 8.2.3 (page 457) parts (a) or (e).
 - Thm 8.2.9 (page 464)
 - 7.11: P1, P2
 - 8.2: P4

Good Luck!