10 questions worth 105 pts total - highest grade possible is 100

- perform algebraic operations on matrices, if they exist
- solve a matrix equation for one of the matrices
- determine whether a matrix is invertible based on given information
- find the determinant of a matrix using theorem(s)
- solve a Leontief input-output problem using an inverse*
- find a transformation matrix using homogeneous coordinates
- use Cramer’s Rule
- determine and justify whether a statement is true or false (2)
- prove a statement

* For ONLY this question, use may use your calculator

You will be given a sheet with Theorems 1 through 8 of Chapter 2 and Theorems 2 through 8 of Chapter 3. These are the only theorems that can be used on the exam.

In addition, bring this sheet of paper with notes/formulas/etc written only in the area below the line. If you do not bring this note sheet or your note sheet does not follow the directions listed here, you will have at least the 5 extra points deducted from your exam.