Second Application Projects

In class you received a handout which includes some problems. These come from other textbook or sources but should contain all the relevant information; you should be able to ignore references to other examples or other sections, but if it seems not, please come see me and I'll straighten it out!

Your presentation in class, on Wednesday of Week 7 (or, the next class, if that day is DOGL), should be 10-12 minutes, with a few minutes for questions after that. Short! So be prepared: come with slides and use the projector or come with a handout or come a few minutes before class and claim a blackboard/whiteboard to write up what you want before your presentation starts. Practice what you want to say and who's going to say what. No, you do not need to present all the problems you are given. Nor do you need to present every ounce of work you did to solve them. Instead, think about what you would need to hear/see if you hadn't done the work yourself. For example, you probably don't need to see the steps in finding the echelon form of a matrix now – you just want to see the original and then what it's echelon form turned out to be. You don't need to see the calculation that a set of vectors is linearly independent – you just want to be told they are linearly independent.

Your write up of this work is also due on Wednesday of Week 7 (or, the next class, if that day is DOGL). This work will contain all the problems you were assigned, as well as full explanations of the work. You should be writing this for your classmates who have not seen the handout you have. So, you'll want to write a short (paragraph) introduction. "In this work we are concerned with using linear algebra to help understand population growth" etc. Then, in the context of the problems if you need to explain what an eigenvector represents in this context etc, you'll do that.