Homework Assignment # 2
DUE: Friday, February 6th, at the *beginning* of class

Problems to turn in:

- Section 1.3: # 1acd, 3, 6, 8, 9acd.
- Section 1.4: # 1abfj, 2&3ab, 4, 5, 9, 12.

Problems to read/try but not turn in:

- Section 1.3, # 5. This problem extends the idea of *sum of subspaces* to more than two subspaces. Proving this is a good exercise in brushing up on the method of proof by mathematical induction!
- Section 1.4, #10. This problem deals with the concept that a set of linearly independent vectors cannot be *"too big"* for its vector space. This idea will be important in Section 1.6, so thinking about it now will help out later.