Math 38
Spring 2016
Questionnaire

Name: _____

What do you hope to get out of this course?

What are your concerns about this course?

What other math courses have you taken?

What is your major or intended major?

What else would you like me to know about you?

Name: _____

Please circle the responses that best characterize your familiarity with each of these topics. It is okay if your answers amount to "basically clueless." Also, we won't really use much linear algebra, except for a few facts about matrices.

1. Writing proofs:

   a. I am clueless about writing proofs.

   b. I have tried to write proofs, but I'm really not sure what I'm doing.

   c. I know what it means to write a proof, but I have trouble making my proofs meet the standard.

   d. I can write correct proofs (of things I understand).

   e. I can write clear and correct proofs (of things I understand).

2. Proof by induction:

   a. I don't know what this means.

   b. I have heard of this, but have only a vague idea.

   c. I know what this means, and can understand somebody else's proof by induction.

   d. I can sort of write a proof by induction.

   e. I can write a clear proof by induction.

3. Isomorphism between two vector spaces.

   a. I have forgotten what this means.

   b. I remember what this means, or at least I remember the main idea.

   c. I can do problems involving isomorphisms.

   d. I can (sometimes) prove things about isomorphisms.

4. Axiomatic definition of vector space.

   a. I remember that there are axioms, but I don't know what "axiomatic definition" might mean.

   b. With a little review, I would understand this.

   c. I understand what an axiomatic definition is, and at least a little bit about why we use axioms to define the concept of vector space.