MA 310 Exam #2 Review

Exam #2 will be on Wednesday, March 11, in class.

1. Read and review the "Class Log" from the course website through Monday, March 9.

2. Read and review all of the problems and their solutions that we did in class. Read and review all of the homework problems, including solutions posted on the course website.

3. In particular be able to do the following, and problems similar to the following. I may directly ask some questions just like these, but I may also ask related questions that are not exactly like these.

   (a) Know how to construct proofs by induction.

   (b) Know how to solve problems 22–26 and 30 in "Problems".

   (c) Know how to solve all of the problems considered in class. In particular, know (memorize) the formulas for "Choosing and Permuting" and for "Choosing", and how to derive them, and know how to construct formulas for functions for which you are given a certain number of values.

   (d) Know how to solve all of the problems in Homeworks #6–7.

   (e) Be able to identify particular problems that exemplify various items in Polya's Four Phases of Problem Solving.