

## MA 310 Exam #3 Review

Exam #3 will be on Wednesday, April 22, in class.

1. Read and review the “Class Log” from the course website through Wednesday, April 15.
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 what binary representations are and how to express nonnegative integers in binary.
  - (b) Know and be able to carry out correct logical reasoning when solving algebra problems.
  - (c) Know and be able to state and use the Pigeonhole Principle.
  - (d) Know how to solve problems 33, 35–37, 39–45, 48–52, 57 in “Problems”.
  - (e) Know how to solve all of the problems in Homeworks #8–10.
  - (f) Know how to convert fractions to decimals and vice versa.
  - (g) Be able to identify particular problems that exemplify various items in the Mathematical Practices of the Common Core State Standards in Mathematics. You do not have to memorize these Standards.