

*Due Wednesday, November 1st*

Answers to homework problems should include any computations necessary to get the final answer. To receive full credit, you must also explain what you've done and why you did it. You should write in complete sentences with (reasonably) correct grammar. Granted, this is not a writing intensive course, but it *is* a 5000-level mathematics course, and at this level you're expected to be able to explain your work in a coherent, organized and logical manner.

Note that many of the problems in the textbook have answers in the back. If I assign any of those, explaining your reasoning becomes even more important, because it's assumed you have the right answer. Even if I don't assign them, it might be a good idea to do those problems and check your answers before working on the assigned problems.

**Chapter 5:** 5.01, 5.02, 5.03 (note the last remark on page 91; I demonstrated a special case of this in class), 5.05, 5.08

**Chapter 6:** 6.01, 6.05, 6.14, 6.20, 6.22 (be careful with these last two; hand-waving and intuitive arguments will not suffice!), 6.38 (also find the multiplicative inverse of 10201 mod 32561), 6.57, 6.80