

MAT 412 HOMEWORK 1

DUE: JANUARY 13, 2016 (BEGINNING OF CLASS)

References are to the textbook (Hungerford, 3rd edition). This first homework set is mostly about refreshing your memory about sets, functions and some basic concepts. The first regular homework set will appear next week.

Problem 1. Read Appendices A and B of your textbook (and you may want to try to solve some of the exercises there!)

Problem 2. Also go through Appendix C and D (this is what we covered in the first week, plus all the proofs).

Some recommended exercises (reference to the book) – NOT to be turned in!: Appendix D: A.1, A.8, A.9, B.11.; Appendix C: A.1–4, B.15.

Problem 3. Read ahead sections 1.1–1.3 in the book.