Math 261: Homework 4 (due W October 29 despite the midterm)

MIDTERM IN CLASS ON TUESDAY COVERING CHAPTERS 1–4 INCLUSIVE!!!
I GAVE OUT A PRACTISE MIDTERM IN CLASS!!!
THIS HOMEWORK IS ALSO GOOD REVIEW FOR THE MIDTERM!!!

Part I. We will not talk about appendices 1 and 3 to chapter 4 in class. But these are topics you will definitely meet in future math classes, so you might like to read them through now and try to understand it for yourself. Also now is the time to finish reading chapter 5.

Part II. Easier problems:
Ch.3 21,23.
Ch.4 2,13.
Ch.5 1(i)-(iv).

Part III. Hard ones:
Ch.3 25.
Ch.4 17(i),(ii),(iii),(v), 18(i), 20.