PROBLEM SET 6: GCD
(NOT TO BE HANDED IN!)

HARM DERKSEN

On Friday, October 25, 10:10-11am will be the midterm exam for math416. Be on time! No book is allowed. You are allowed a crib-sheet (or a cheat-sheet as I prefer to call it). The crib-sheet should be at most half a page (half of a single sided letter size piece of paper). You can bring a calculator as long as it is only used for addition, multiplication etc. You cannot use a calculator if it inverts a matrix for you. All rules are enforced. Problems will be similar to homework problems and problems in the book.

The topics of the midterm are essentially all topics discussed in class up to Euclid’s algorithm for the GCD. To be precise, here is an overview: Chapter 2: everything, Chapter 3: everything except the part on iterated functions and iterated logarithm, Chapter 4: everything except §4.4, Chapter 28: everything except §28.5, Chapter 30: everything except §30.3, Chapter 31: §31.1, §31.2.


Problem 2. Do 31.2-2 in the book.