MATH 6310, Homework 6
Due in class 10/2

Continue to look over §7.

Almost all questions are from the book this week. Please do

- §6.3, question 9

- §7.1, questions 15, 26, 27

- §7.2, questions 5, 13

- §7.3, question 26

- §7.4 question 37, 38, 39

And —

1. Verify Kaplansky's Zero–Divisor Conjecture for $\mathbb{C}F$, where F is a finite–rank free group. (That is, prove that $\mathbb{C}F$ contains no zero–divisors.) Verify that $\mathbb{C}F$ contains no units other than the products of those in $\mathbb{C}^{\times}$ and F.

Read on in §7 and §8.