Homework 4

Due: In class on Monday October 11th

Read Chapter 2 of the Lecture Notes

Solve the following exercises from the Lectures Notes:

Exercise 2.2.7
Exercise 2.2.12
Exercise 2.2.18
Exercise 2.2.19
Exercise 2.2.20

If applicable: Exercise 4.1.22

Hint 1: Prove the following property of Fibonacci numbers:
$$F_{n+m} = F_n F_{m-1} + F_{n-1} F_m$$
Hint 2: Use the Euclidean algorithm