

## Week 1, Assignment 1

1. Open an account with CoCalc. Pay \$14 one-time fee for the semester of using the class project on CoCalc.

### 2. Reading:

(a) Student Guide for using CoCalc on <https://doc.cocalc.com/teaching-students.html>

(b) Chapter 1 of the lecture notes.

### 3. Codes and calculations

(a) Create a sagews file named [your list name].sagews. Use help command to learn the syntax of commands: **factor**, **expand** and **simplify**. Create one simple example with each command. Do FIVE exercises from the file **first\_steps.sagews**. Then block your help commands and save the worksheet.

(b) Do SEVEN exercises stated in IntroTutorial and add to your worksheet.