

Calculus 1

MTH 202, Fall 2017

Instructor: Bart Van Steirteghem

CAS Lab #1. Introduction to SAGE, due at the end of class today.

Accessing SAGE

Sage is a powerful open-source computer algebra system. We will use it throughout the semester. You can download the program at <http://www.sagemath.org>, but the easiest way to begin working with it is in the "cloud."

- Open an internet browser (e.g. Firefox), go to <https://cocalc.com/> and click on "Start CoCalc for free"
- Log in using one of the available services, or create a new account and then log in (keep your login information in a safe place as you'll need it throughout the semester)
- Create a "project" with title "Calculus 1"

Introduction to SAGE

As a quick introduction to Sage, we'll work through a Sage Worksheet.

- Open a new window or tab in your internet browser
- Download the file `sageintro.sagews` from the course webpage <http://bvans.net/mth202> onto your computer by right-clicking it
- Go back to the tab with Sage and open the project "Calculus 1" you just created
- Click on "New" and then upload the file `sageintro.sagews`
- Once the file is uploaded, click on "Files" and then on the file `sageintro.sagews`
- Follow the instructions on the Sage Worksheet you have just opened