

## How

<https://sage.math.bme.hu/>

- If your browser finds the certificate untrustworthy, accept it manually!
- If you haven't received your username / password write me an email.
- For the homework, open a new notebook, and once you're done you can save it as a file:
  - ◆ Top left: File
  - ◆ Save worksheet to a file..

Send the file to the usual address.

## Homework

- Draw a logarithm function and its first 10 derivatives on the  $[0, 5]$  interval in the same graph. (Try the sum function and list comprehension so you won't have to calculate the derivatives one by one!)
- The number 100 has many decompositions to the sum of 3 numbers, for example  $100 = 1 + 1 + 98$ . Using list comprehension calculate how many decompositions it has, if  $1 + 1 + 98$  and  $98 + 1 + 1$  is understood as the same decomposition. Use the `len([ some list comprehension ])` function to get the length of a list.