

Math555 Homework 9

Note: To submit the k -th homework, simply put your files in the folder HW k on CoCalc, and it will be collected on the due day.

1. Find the first ten terms of the reciprocal of $f(x) = 1 + x + x^2$.

2. Use Sage to write a function `reciprocal(f,k)` to compute the first k terms of the reciprocal of f . (Return `False` if $f[0]=0$.) See the file `SageProject4_blank.sagews` in your CoCalc folder.