

Home-work 1

in MATLAB

- create variable
- create a vector
- multiply vector and variable or constant
- multiply two vectors
- create a matrix

- sequence of numbers
- create sequence of number for x and y , then make plot `scatter(x,y)`

- create user-defined math functions (`syms`), for example x^2+x-6 or $3\sin(x)$
- evaluate function, for example `f(x)=cos(x)`, $x=\pi/3$, How much is $f(\pi/3)$?
- plot function (use “`fplot`”)

- write short report and add comments in M-file to describe the code
- *be creative and do not use the same values and functions as are in HM instructions*

- save your script (*.m)

- upload script with included comments to eClass.