

Directions for Matlab homework (or the open source and free GNU Octave)

1) If you're working on Math Department system computers and unless you've changed your login information, and if your name is

Jane Q. PubliC

your login name is made from the location of the letters that are capitalized above, and is of the form

c-pcjq (or c-pcjq1, c-pcjq2, etc. if there are multiple students with your initials). If you don't have a middle initial the last letter is omitted.

If the last four digits of your UID are 4397 then unless you've changed your password, it is

pcjq4397

2) Open a Browser (e.g. Firefox in the Math lab) and download the files in the "numerics" directory on our homework page (or on CANVAS) and save them to a directory on your computer. The URL is

<http://www.math.utah.edu/~korevaar/2280spring19/numerics/>

3) Find Matlab on your computer and open it.

4) From Matlab find the directory you created with our class matlab files. Modify the "class-example.m" file (or copy/paste/modify pieces of it into a new ".m" file in order to complete the homework problem w4.5. Modify the "famous\_numbers.m" file in order to complete the homework problem w4.4 Change comments to make them appropriate to your work.

5) Please hand in hard copies of the output that is asked for in w4.4 and w4.5, along with printouts of the two scripts you wrote that generate the output.

6) If you or a friend can't figure out how to do something in Matlab, use google to ask about what it is you're trying to do. For example, if you're curious about plotting you could query "how to make plots in matlab", "how to create a matlab display with several plots", etc. Google will lead you to Matlab help directories, or to forums where other people have asked similar questions and received answers.

There are a number of video introductions to the Matlab environment on youtube. Just search for something like "youtube introduction to matlab".