You can save Matlab/Octave programs in files with a **.m** extension. You need to tell Matlab/Octave where to go to look for these files. Here's one way to do this.

 Create a directory where you are going to keep your .m files. For example, on a Mac I might use: /Users/david/Documents/Math 302

On Windows XP I might use C:\Documents and Settings\david\Math 302

On Windows Vista or 7 I might use C:\Users\david\Math 302

Of course, you will replace david with the name of your user account.

- 2. Download the file df.m from our course web page and save it in the new directory you created.
- 3. Start Octave or Matlab.
- 4. If you are running a Mac or Linux:
 - Type

addpath('<my-path>')

where <my-path> is the full name of the directory you created in Step 1. For example: addpath('/Users/david/Documents/Math 302')

Notice that the single quotes are required.

If you are running Windows:

Do the same thing, except you must change all of the backslashes into forward slashes in your path name. For example:

addpath('C:/Documents and Settings/david/Math 302')

5. Test that the new path works by issuing the following commands:

rhs = @(x,y) y
df(rhs, -2, 2, -3, 3)
You should see a direction field.

- 6. Assuming that everything has worked to this point, you need to tell Octave (or Matlab) to use this path in the future. Enter savepath
- 7. Exit Octave and restart it. Repeat Step 5 to make sure your new path still works.