How to install LaTeX for Mac OS X:

1. Visit `http://www.tug.org/mactex/`.

2. Click on the `MacTeX Download` link and then on `MacTeX.mpkg` to download the file. The file is **huge**, so do this somewhere with a fast connection. It took me 20 minutes to download the file over the UAF wireless network.

3. Double-click on the file `MacTex.mpkg` you downloaded to run the installer package.

4. When the installer is finished, navigate to your Applications folder. You should find a folder called TeX in there.

5. In the TeX folder, you can find an application, TeXShop. Open this application which is a (somewhat) user-friendly interface to editing LaTeX files and converting them to PDF.

   On newer versions of OS X (10.7 and later) you might need to tell the operating system that this file is safe to run; let me know how this works for you.

6. Make a folder Math 401 somewhere useful. Then go to

$$\texttt{www.math.uaf.edu/~maxwell/math401}$$

   and download the following files to that folder:

   - `HWDemo.tex`

7. Open the `HWDemo.tex` file you downloaded using TexShop. Then press the **Typeset** button. If all has gone well, you will see a PDF version of the the LaTeX file appear!