LaTex Supplemental Material

**Installing on Windows:**

1. Go to MikTex to download Windows Installer: <http://miktex.org/download>

\*Be careful you get a 32-bit download for 32 bit systems and 64-bit download for 64 bit systems

2. Double click and run .exe installer

\*All default settings are fine

3. The first thing to do is set up your package manager

a. Go to the start Menu and locate the folder MikTex X.X

b. Locate folder that is Maintenance (Admin)

c. Click on MikTex Package Manager

d. On the toolbar, select Repository and then select change Package Repository

e. Select Packages shall be installed from the Internet and hit ‘Next’

f. A window will populate where you can select different servers for packages

g. The one I always select is United States, FTP, mirror.utexas.edu.

i. Then hit finish and your packages should now automatically install.

**Installing on Mac**

1. Go to MacTex: <http://www.tug.org/mactex/mactex-download.html>
2. Download .pkg file and run it
3. It appears that the MacTex is pre-set up for the packages so no further steps are needed.
   1. One could get fancy and attempt to change the package repository location, but one who tries is on one’s own.

**First Document Exercise**

1. Open TexWorks (Windows) and TeXShop (Mac)
2. We are going to do a simple “Hello World” type document
3. The following needs to be typed into the editor

\documentclass[12pt]{article}

\begin{document}

Hello AMS 2016!

\enddocument

1. Now we are ready to run the program. To run on a Windows hit the green button and to run on a Mac hit the Typeset button in the upper left of the application. A window will appear asking for you to save the document first. Once you select a name for the file and location of the file a pdf should begin.

Note: The programs will create several files along with the pdf. That is normal, you can delete them anytime, just don’t delete the .tex file, or you will have to start all over.

1. Now to make sure the packages work will add one package and a line of text to make sure it works.

\documentclass[12pt]{article}

\usepackage{gensymb}

\begin{document}

Hello AMS 2016!

The temperature of boiling water is 100$\degree$C.

\enddocument

Note: On the Windows version a window will pop up asking if you want to install a package, allow the package to be installed. The Mac version will already have it installed.

1. Copy and paste the following text into a .tex document to see what formatting happens and to give you an idea how to do sections and footnotes.:

\documentclass[12pt]{article}

\usepackage{gensymb}

\begin{document}

\section{Introduction}

Hello AMS 2016!

\subsection{Basic Knowledge}

The temperature of boiling water is 100$\degree$C. \footnote{Common knowledge on the internet}

\enddocument

1. This is just a basic exercise to get you started. I highly recommend taking advantage of the tutorial provided in the PowerPoint. It will help greatly with tables and figures.