(1) Open Sharelatex: https://www.sharelatex.com

(2) Register with email and password, or login if you already have an account.

(3) Create a new project (Red button, upper left, “New Project”). Choose “Example Project”. Name it “Project ____”.

(4) Put your name in \author{__________} and the due date in \date{__________________}.

(5) You may want to include \usepackage{amsmath}

(6) The details of your document will go between \begin{document} and \end{document}.

(7) You can use things like \section{_________}, \subsection{_____________}, \subsubsection{______________}, etc. You can also use things like

\begin{enumerate}
\item This is the first item
\item This is the second item
\end{enumerate}

To get:
(a) This is the first item
(b) This is the second item

Or

\begin{itemize}
\item This is an item
\item This is another item
\end{itemize}

To get:
• This is an item
• This is another item

(8) You will also want to use math: \( f(x) = \sin(x) + \alpha \) gives you \( f(x) = \sin(x) + \alpha \), while

\begin{equation}
 f(x) = \sin(x) + \alpha
\end{equation}

Gives you

(1) \[ f(x) = \sin(x) + \alpha \]

(9) You might also want to include a figure, do it like they do in the example. In that case, universe.jpg was added to your files on the left. If you were adding your own image, you’d need to upload it there using the little line with the up-arrow which says “Upload” if you hover your mouse over it.

(10) One other useful math thing that I use quite a bit is aligned equations:

\begin{align}
 y(t) &= \frac{1}{\mu(t)} \int_{t_0}^{t} \mu(\tau) g(\tau) d\tau \\
 &= \frac{1}{\mu(t)} \int_{t_0}^{t} \tau(\tau+1) d\tau \\
 &= \frac{1}{3} t^2 + \frac{1}{2} t + \frac{C}{t}
\end{align}

Date: September 8, 2017.
Results in:

\[ y(t) = \frac{1}{\mu(t)} \int_{t_0}^{t} \mu(\tau) g(\tau) d\tau \]  

(2)

\[ = \frac{1}{t} \int_{t_0}^{t} \tau(\tau + 1) d\tau \]  

(3)

\[ = \frac{1}{t} \int_{t_0}^{t} \tau^2 + \tau d\tau \]  

(4)

\[ = \frac{1}{t} \left[ \frac{1}{3} t^3 + \frac{1}{2} t^2 + C \right] \]  

(5)

\[ = \frac{1}{3} t^2 + \frac{1}{2} t + \frac{C}{t} \]  

(6)

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