Remark: Note that the due date for this homework is on a Tuesday. Furthermore, this homework cannot be dropped.

Problems:

1. Make sure you have a Piazza account and will be able to receive announcements.

2. Set up your Gradescope account.

3. Set up a LaTeX compiler, and compile the following source:

```
\documentclass[12pt]{article}
\begin{document}

\section*{Hello world!}

Ny name is <INSERT NAME HERE>. This is my first homework for ECE 515.

The requested equation, typeset in LaTeX is:
<INSERT SOURCE HERE>

\end{document}
```

Additionally, write the TeX source for the following equation:

$$\dot{x} = \begin{bmatrix} 0 & 1 \\ 2 & 3 \end{bmatrix} x + \begin{bmatrix} 4 \\ 5 \end{bmatrix} u \qquad\qquad x \in \mathbb{R}^n$$

Submit this created PDF on Gradescope as HW0.