

This homework is worth fewer points than the other homeworks, and cannot be dropped.

Problems:

Problem 1. Make sure you have a Piazza account and will be able to receive announcements. As mentioned in the syllabus, you are responsible for announcements made on Piazza.

Problem 2. Set up your Gradescope account. Make sure that your email address is your official `illinois.edu` email, and that your Student ID number is your UIN. If you do not know your UIN, you can look it up at the following: <https://www.icardnet.uillinois.edu/public/uin-find.cfm>

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

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

\section*{Hello world!}
```

My name is <INSERT NAME HERE>. This is my first homework for ECE 528.

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

```
\end{document}
```

Additionally, write the TeX source for the following equation:

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

Submit this created PDF on Gradescope as HW0.