H0.

You may collaborate with other students on the homework but you must submit your own individually written solution, identify your collaborators, and acknowledge any external sources that you consult.

Please write each answer on a separate page and use *exactly 3 pages* for your submission. You can do this using the `\newpage` command between your answers. See the template tex file provided on the course website for this assignment.

PROBLEM 1 *Passage*

Typeset your favorite passage from a book.

PROBLEM 2 *Asymptotic notation*

Let f be a function. Give a formal definition of the set $\Theta(f)$.

$$\Theta(f) = \{ \text{ functions } g \text{ such that ...} \qquad \}$$

Hint: Use the `\exists` command to make the "there exists" symbol $\exists$, and the `\forall` command to make the "for all" symbol $\forall$.

PROBLEM 3 *includegraphics command*

Learn how to include drawings in your documents with the `\includegraphics{file}` command by submitting a caricature of me.