

- The assignment is due at Gradescope on January 12 at 1:35pm. Late assignments will not be accepted. Submit early and often.
- You are permitted to study with friends and discuss the problems; however, *you must write up your own solutions, in your own words*. Do not submit anything you cannot explain. If you do collaborate with any of the other students on any problem, please do list all your collaborators in your submission for each problem.
- Finding solutions to homework problems on the web, or by asking students not enrolled in the class is strictly prohibited.
- We require that all homework submissions are prepared in Latex. If you need to draw any diagrams, however, you may draw them with your hand.

PROBLEM 1 *Passage*

Typeset your favorite passage from a book.

**Solution:**

PROBLEM 2

Define the Fibonacci numbers.

**Solution:**

$$F_n = \begin{cases} 0 & \text{if } n = 0 \\ 1 & \text{if } n = 1 \\ \dots & \end{cases}$$

**PROBLEM 3** *includegraphics command*

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

**Solution:**