CS 322 - Operating Systems
Homework 3
Due: October 3/4, 11:30 PM

Please submit your answers on gradescope.

1. Imagine a computer that has multiple register sets for a CPU to use. An individual process only uses one of these register sets when it executes.
   a. (3 points) What could an OS do differently during a context switch to take advantage of this hardware feature?
   b. (2 points) What additional decision would the scheduling algorithm need to make when choosing a new process to run?

2. (5 points each) Do question 4 in chapter 7.
3. (5 points each) Do question 5 in chapter 7.
4. (5 points each) Do question 6 in chapter 7.