Name: _____ Career Account ID (email): _____

Assignment 3:

Due Nov 1st Friday 11:59 pm on Blackboard.

1. Suppose a Xinu sleep queue contains (process 3 is on the head of list):

Process: 3 Key: 4	Process: 9 Key: 3		

How many milliseconds in the future will process 9 awaken? 7ms

2. Suppose the process 6 sleeps for 8 ms when the sleep queue contains the two items shown above. What will the sleep queue contain after process 6 has been inserted?

Process: 3 Key: 4	Process: 9 Key: 3	Process: 6 Key: 1	

3. Suppose that 1 ms after inserting process 6, process 12 sleeps for 2 ms. What will the sleep queue contain after process 12 has been inserted?

Process: 12 Key: 2	Process: 3 Key: 1	Process: 9 Key: 3	Process: 6 Key: 1

4. Suppose that 1 ms after inserting process 12, process 18 sleeps for 4 ms. What will the sleep queue contain after process 18 has been inserted?

Process: 12 Key: 1	Process: 3 Key: 1	Process: 18 Key: 2	Process: 9 Key: 1	Process: 6 Key: 1

5. Starting with the sleep queue when process 12 has been inserted, list the processes on the queue and the time remaining for each.
   Process: 12 time remaining: 2
   Process: 3 time remaining: 3
   Process: 9 time remaining: 6
   Process: 6 time remaining: 7
