# CS 212: Midterm Exam Review Worksheet 2

**Question 1**: What advantages does MLFQ scheduling have over simple round-robin scheduling?

**Question 2**: Does it require a privileged instruction to issue a system call?

**Question 3**: What is the difference between a trap and an interrupt?

**Question 4**: On the state transition diagram for processes, there are no transitions from Ready to Blocked, or from Blocked to Running. Why not?

**Question 5**: What are the consequences of increasing the length of a scheduler’s time slices?

**Question 6**: A process calls malloc() to allocate a 1024 byte buffer which it then passes to getline() to read a line of text. The line that is read is only 68 bytes long. Does this result in internal or external fragmentation?

**Question 7**: Is one of the advantages of paging that it leads to less internal fragmentation or less external fragmentation?