

Name: \_\_\_\_\_

## Quiz 5

ID#: \_\_\_\_\_

### CS311 Operating Systems I

1. What types of semaphores exist, and how do they differ?
2. What is the difference between a binary semaphore and a pthread mutex?
3. Give an example where a counting semaphore would be useful.
4. When using shared memory, what flag must be passed to `mmap()`?
5. What is the process for mounting a shared memory object?
6. What is a socket?
7. What is the difference between a stream socket and a datagram socket?
8. What are 2 methods of I/O multiplexing?