gtID:	
	(e.g. gtg123a

1.	Do you know the conditions under which a process/thread may join the ready queue and leave the ready queue?	Y/N
2.	Can you name all the steps that happen during a context switch?	Y/N

3.	Can you name at least three different types of interprocess communication?	Y/N
4.	Do you know what is meant by Data Race in a parallel program?	Y/N
5.	In a preemptive scheduler, do you understand what the word "preemptive" refers to?	Y / N
6.	Do you understand the difference between "round robin", "shortest-job-first", and "priority scheduling"?	Y/N

Y/N

- 7. Do you know the name for a section of code that accesses variables $\ Y / N$ or resources that are shared between multiple threads of execution?
- 8. Do you know the necessary and sufficient conditions for deadlock Y/N to occur?
- 9. Do you understand why, when, and how to use mutual exclusion? Y/N
- 10. Can you describe the role the translation look-aside buffer (TLB) Y/N plays in a virtual memory system?
- 11. Do you understand the difference between a "segment" and a "page" in a memory hierarchy?
- 12. Do you know the difference between a "page" and a "frame" in a Y/N virtual memory system?
- 13. Do you know the difference between "first-in, first-out", "least-recently-used", and "least-frequently-used" replacement policies?
- 14. Do you know what it means for a process to "trap" to the kernel? Y/N
- 15. Can you name the mechanism by which asynchronous hardware events may notify the CPU (and thus the kernel) of an event?

16.	Can you explain why "ports" are necessary in network communication?	Y/N
17.	Do you know what processor cache (e.g. L1, L2) has to do with context switches?	Y/N
18.	Have you written a substantial (i.e. not "Hello World") program in C or $C++?$	Y/N
19.	Have you written a multi-threaded program?	Y/N
20.	Have you written a networked program using a sockets API (e.g. Linux/POSIX sockets or winsock)?	Y/N
21.	Have you written a program that handles one or more signals in Linux/POSIX?	Y/N
22.	Do you know how to take timing measurements of a program?	Y/N