mean 5.9 median 6

Sco	ore: Name:
ts	ECE 3055 Quiz - November 13, 2002
2	1. The <u>long-term scheduler</u> in an Operating System attempts to control the degree of multiprogramming. Schedulen or medium-term schedul
2	2. What hardware prevents a user application from talking directly to I/O devices in a multiprogramming OS? Explain exactly how it works
lpt.	Privileged I/O instructions with a Mode bit.
lpt.	When the mode bit is set to user mode, I/O instructions are not executed and an error interrupt occurs whenever a user program attempts to execute an I/O instruction. The mode bit is only set to system mode in the OS kernal code that executes I/O instructions. All user I/O must be done using API calls.
	3. Why would multiprogramming make economic sense even in a computer system running only batch jobs?
	Multiprogramming will increase CPU utilization. If one process is waiting on I/O, another process can run.
3	4. List the three types of common events that will move a process out of the run state.
	A. A Process terminates
	B. A Time Slice Interrupt
	C. Process makes an API I/O call
7	5. Would a long CPU bound job be inserted more often in the ready queue or the wait queue

The Ready Queue - It would run until a time slice interrupt and be inserted back into the ready queue several times.

(explain)?