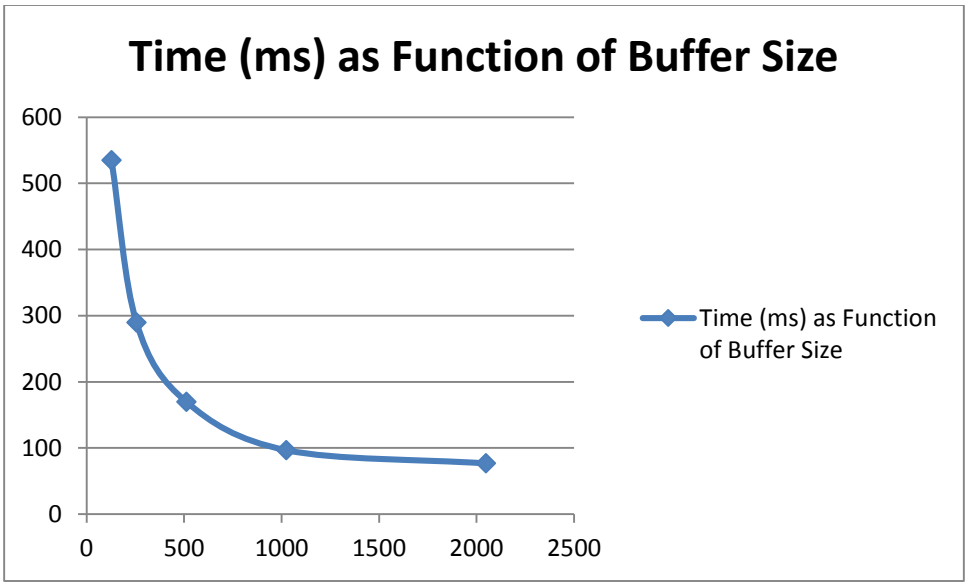

2. The graph shows runtime of the program as a function of the buffer size. The graph isn't a straight line since a larger buffer size leads to fewer system calls which take a lot of time.
3. Yes. Printing to the screen is a system call, we will call ~5MB/buff times to system calls which will slow down the program.

1. False: Printing to screen is a system call.
2. False Interrupt, not system call.
3. False: The other way around.
4. False: Applications are able to access devices in order to communicate with the OS kernel.
5. False: Web browsers run in user-mode. Users can install programs that run in kernel-mode.
6. False: The OS can choose to ignore interrupt signals but not prevent them from accessing the CPU.
7. False: The VM runs on software, which is not faster than the actual hardware.
8. False: An app can access CD ROM through OS system calls in user-mode.
9. False: system calls which cause the kernel to make a context switch which slows down programs.
10. False: External devises don't communicate with the OS but rather with the CPU.