

CSCI-342 Operating Systems
Quiz 4
Chapter 8.5 - 8.5.5 Signals

Name _____

1. What can send signals?
2. What can receive signals?
3. What are the 3 ways in which the recipient of a signal can deal with the signal?
4. What is the maximum number of pending signals of a particular type that are maintained by a process?
5. What is the maximum number of process groups that a process can belong to?
6. Which system call can be used to get the process group id of a process?
7. Which process group is a process in by default?
8. How can a process change its process group id to its pid?
9. Write the command that you would use on the command line to send SIGKILL (signal #9) to the process with pid 12345.
10. Which system call can be used to send a signal to a process, the calling process, or a process group?
11. What is the default action for most signals?
12. What system call can a process use to send a SIGALRM signal to itself after some number of seconds?
13. What two system calls can be used by a process to register a signal handler?
14. What are the 2 signals that cannot be caught by a process?
15. Can signals be used to count the number of occurrences of an event in a process? If so, how can it be done. If not, why not?