Linux Quiz 5-7 Key

1. \_\_\_\_\_\_\_\_\_\_\_\_\_ was the original way for controlling services in Linux, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the new method which has recently become the default for most distributions.  (Hint:  one of the things these systems do is determine what services start when the computer boots.)  
   SysV, systemd
2. What is the difference between an application and a service?  
   Applications are run by the user, Services by the OS. Often services start automatically at boot.
3. What would be the systemd command to start a service called sshd?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   sudo systemctl start sshd
4. What systemd command would you use to determine whether the sshd service is running? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   systemctl status <servicename>
5. What is the command to list the running processes?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   ps lists your processes, ps aux lists all of them.
6. What command shows you the processes that are using the most CPU time?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   top
7. Let's say you have decided to stop a process with Process ID (PID) 1234 that is currently running.  What command do you use?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   sudo kill 1234
8. You have a huge file, and you want to see only the lines that contain a certain string.  What is the name of the command you would use?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   grep
9. Name a command you could use to extract one column of data from a large file.  
   cut. (awk also works, but we didn’t cover it)
10. Your data has thousands of lines, but many of them are duplicates of one another.  How can you remove the duplicates?  
    sort uniq