**Command Line Quiz**

1. What will be the difference in the output of the following two commands?

> echo one two three

> echo 'one two three'

Suppose you had two files as follows:

> cat file1.txt

This is file1

> cat file2.txt

This is file2

2. Now you perform the following three commands in order. What would be the output after each?

> cat file\*.txt

> cat file\*.txt >> file1.txt

> cat file1.txt

For questions 3-11, suppose you are in a directory with the following listing:

> ls -laF

drwxr-xr-x 14 scott staff 476 Jul 1 11:51 ./

drwxr-xr-x 50 scott staff 1700 Jul 1 11:49 ../

-rw-r--r-- 1 scott staff 3395072 Jun 20 19:52 files.tar

drwxr-xr-x 13 scott staff 442 Jul 1 12:18 command\_line/

-rw-r--r-- 1 scott staff 2939 May 25 20:37 notes.txt

-rw-r--r-- 1 scott staff 3366 Jun 28 20:08 questions.txt

3. What's the largest file?

4. Which *file* has most recently been modified?

5. What subdirectories are in this directory?

6. What user owns the files in this directory?

7. What command would show the files contained in the command\_line directory?

8. Using cat and wc, how would you get the total number of lines in all .txt files?

9. What command would list all lines (with line numbers) containing the word *bash* in

questions.txt?

10. How would you find the file that had the word *mogrify* in its first line?

11. Write one command that moves notes.txt and questions.txt into the command\_line directory.

12. How do you create an empty file called *foo*?

13. What are two ways to determine if a file called zelda.png is really a PNG file?

14. Why is rm -rf dangerous?

15. Let's say you had a ping command running in your terminal. What are two ways to

stop it?

For questions 16-21, suppose you had the following directory structure:

/

|-- etc/

|-- bin/

| |-- wc

| `-- cat

`-- home/

|-- scott/

| `-- answers/

| `-- exercise1.txt

`-- foo/

|-- hacking/

| |-- .vimrc

| |-- exploit1.txt

| `-- exploit2.txt

`-- music/

`-- zelda\_theme.mp3

From this you can tell that:

- the root directory is /

- the root directory contains the subdirectories etc, bin, and home

- the directory /bin contains two files, wc and cat

etc.

Let's say you're in the hacking directory, such that pwd shows:

> pwd

/home/foo/hacking

16. From there, what would be the results of the following commands:

> ls

> ls ..

17. Also from /home/foo/hacking, write 2 different ways you could change to the directory containing exercise1.txt

18. Write the full absolute path of zelda\_theme.mp3

19. What's the absolute path of scott's home directory?

20. If you were user scott and you were in /home/foo/music and you did cd, then where would you be?

21. How could you delete everything within /home ?