Name: _____   **Student ID #:** _____

Lab #1: COMP 3000B (Operating Systems)
January 10 & 12, 2006

Write down the `bash` command line that accomplishes the following operations. To start, run the command "man man" from a shell prompt. Then, use the following commands to answer these questions: ls, mkdir, cp, touch, more, less, cat, file, top, bash, rm, rmdir, chmod, seq. Be sure to test your answers by running experiments!

1. How do you get a listing of all the files in the current directory? (Note that files starting with a "." are hidden by default.)

2. How do you create an empty directory named "foo"?

3. How do you delete a directory named "foo" and its entire contents?

4. How do you make a file "bar" read-only to everyone?

5. How do you copy the directory "foo" to "moo" such that the files in moo have the same names and contents as foo?

6. For the directory copy command, are the last modified time stamps of the copy identical to the original? What command did you use to check this?

7. How do you view the file /boot/System.map-2.6.8 one screen at a time?

8. How much total RAM does your machine have? How much swap space?

9. Give a command line using the bash "for" command that creates zero-length files with the names 1 through 20 (i.e., 20 files).