An Easy Quiz with Answers:

(1) How would you check the default search path for your account, and what is it (list only the first four entries)?

SOL:
Default search path:
Two main ways to determine: (1) printenv PATH or (2) echo $PATH

(2) Give a single command (line) that will print out the number of files (files in a generic sense) in the current working directory. (Hint: use piping and a filter.)

SOL:
ls -A | wc –l

(3) Suppose that I do ls -l test, and see a line like:
-rw-r-x--x 2 carver faculty 1732 Jan 23 20:39 test:

a) Show two commands that one could use to change the access permissions on (the above mentioned file) test, so that carver has read and write access only, (other) members of faculty have read access only, and all other users have no access.

b) What is the simplest command for adding write permissions to test for all users (without changing any other permissions)?

c) Show two different versions (i.e., different options) of the ps command, that will show all processes on a system, and show (at least) the following information about each process: (1) PID, (2) owner/UID, (3) the command being run, (4) start time/date, and (5) total CPU time.

d) Give a command that would definitely terminate a process whose PID is 4513 (assuming
the user has permission to terminate the process).

SOL:
a) . Setting all permissions:
Numeric chmod: chmod 640 test
Symbolic chmod: chmod u=rw,g=r,o= test
(Note: must have o= or any current setting won't be changed)

b) . Adding write for everyone:
chmod a+w test or even just chmod +w test

c) . Two different versions of the ps command:
The standard options for this are:
ps aux
ps -ef
ps -eF

d). Command to terminate process whose pid is 4513:
kill -9 4513 or equivalently kill -SIGKILL 4513 to definitely terminate.