**Backups**

1) Suppose you KNOW FOR CERTAIN that your hard drives will never fail. Either write “no real need for backups” or tell me why you might need backups.

2) How does a program doing an incremental backup know which files to copy?

a) They change checksum

b) They change size

c) It compares the file content to the same file from the last full backup.

d) The last modify time is recent

e) Some other scheme

3) Name one advantage of a command line backup tool over a GUI based backup tool

**Shell**

1) Finish the following code. Write me some shell script such that it prints “Yes” if name = “kow” and nothing otherwise

#!/bin/bash

name=”kow” # Sometimes I change this to some other word.

**SSHD**

1) I want to configure putty such that my logins do not require a password as we did in class. Which is true?

a) I tell putty my password, which it tells sshd to log me in.

b) I tell sshd my IP number, and sshd allows logins from that IP number.

c) I give sshd my X509 certificate, which sshd uses to verify my login.

c) Some other scheme

**Other**

1) Suppose I run the command “a > d”. There are no errors. Which is true?

a) I see the output from the command a on the terminal

b) The output from the command d goes into a file named a

c) I see the output from the command d on the terminal

d) The output from the command a goes into file named d

**Three Body Problem**

1) Why do the good people on this show smoke?