NAME ___________________________

10 Points Each

1) Today is April 24, 1988:

```bash
DATE=`date +%D`
YY=`echo "$DATE" | awk '{ print substr($1,7,2) }'`
MM=`echo "$DATE" | awk '{ print substr($1,1,2) }'`
DD=`echo "$DATE" | awk '{ print substr($1,4,2) }'`

echo $MM$DD$YY - will yield what value?

what date command would you use to get the same results?
```

2) Write one command line to determine the # of directories in the root directory using output from the "ls -al /" command.

3) UprBatchID="filename99.txt"

```bash
fnum=`echo $UprBatchID | tr '[a-z]' '[A-Z]' | awk '{ print substr($1,index($1,".TXT")-1,1) }'`

What is the value of $fnum?
```

4) UprBatchID="filename99.gz"

```bash
ftype=`echo $UprBatchID | awk '{ print substr($1,12,2) }'`

What is the value if $ftype?
```

5) UprBatchID="filename99.gz"

```bash
BatchID=`echo $UprBatchID | awk '{ print substr($1,9,2) }'`

What is the value of $BatchID?
```

6) Use a sed command to change all bash users to csh in /etc/passwd except root.

Following is worth 40 points

7) Write an awk/sed/grep command string on a single line (do not use wc -l) to perform the following functions on /etc/passwd:

a) print # of accounts
b) print # of accounts member of group 503
c) print name and description of accounts that DON’T use /bin/bash as the initial program
d) Print out the account info of any current logged in user with the following headers:
   Name    Account    HOME Directory    Semester
```

e) Number of “service” accounts on the system as indicated by use of the “nologin” initial program