



4. [8 pt] Write a regular expression to match a dollar amount figure in a document. The figure could be given as \$12,345,678.90. It could be as low as a few cents, or as high as the federal deficit. Make sure that your expression matches all possible combinations of this amount.

5. [4 pt] What is the difference between the outputs from the following two commands:

```
egrep "^From|Subject|Date:" filename  
egrep '^(From|Subject|Date)' filename
```

6. [6 pt] You have released multiple versions of some software that was originally written in C or C++. You never give away the source code to your clients. However, when a client reports a problem, you ask him/her to send you the revision number by using the option `-v` with the command. Explain how you will infer the source code revision number, and what steps you will have to take to achieve this.

7. [10 pt] Write a script that will ask a user for a month name and output the number of days in that month. You must use the `switch` statement, and issue an error message if the month name specified is not properly understood.