| CS 2750 | Advanced Programming in Unix | Test 2             |
|---------|------------------------------|--------------------|
| Name:   | Winter 2005                  | Maximum Points: 43 |

Important: This is an open book test. You can use any books, notes, or paper but no electronic device. Do not pa pr

| og into the computer during the test. Any calculations and rough work can be done on the back side of the test ages. If there is a syntax error in any program segment, just write it down and you will get full credit for the roblem. You will lose five points for not writing your name.  |
|---|
| 1. [6 pt] Somewhere in your directory hierarchy, there is a set of files with names starting with the letters $q$ and $z$ . Give me one command to list all the files with this property. Also give me another command that will list all the programs whose name starts with letters $q$ or $z$ , and which have an extension $.c$ or $.c$ . |
| 2. [5 pt] Give the command to create an empty file in Unix without using an editor. What happens if you issue this command and there is already a file by that name in the directory you wanted to create this file?  |
|   |

3. [4 pt] How do you test whether a variable has been defined in Korn shell?

| 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:  |
|    | <pre>egrep "^From Subject Date:" filename egrep '^(From Subject Date)' filename</pre>   |
|    |   |
|    |   |
| 6  | [6 mt] Voy have galacted multiple versions of some software that was originally written in C on C     Vo  |
| 0. | [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/he 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. |
|    |   |
|    |   |
|    |   |

| ınderstood. |   |  |  |
|-------------|---|--|--|
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             |   |  |  |
|             | 3 |  |  |
|             |   |  |  |

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