CMSC 106  Quiz #1  Fall 2007

This quiz is worth 30 points total, and there are questions on BOTH SIDES of the paper. You have 10 minutes to finish this quiz.

1. [4 pts.] Give the sequence of UNIX commands which would be used (1) to create a source file named this.c, (2) compile that source file (assuming you saved it in the previous step), and (3) run the executable file created by that compilation. Use the tools discussed in class to perform each of these tasks, and note that each of the commands is given at the UNIX shell prompt.

```
# 
# 
# 
```

2. [4 pts.] Briefly describe the purpose of each of the UNIX commands given here.

```
lst

cd

rm

cp
```

3. [3 pts.] Give an example of one escape sequence that can be used within the string passed to the printf function.

```
and describe its purpose.
```

4. [3 pts.] Give an example of one format specifier (place holder) that can be used within the string passed to the printf function.

```
and describe its purpose.
```
5. [16 pts.] What is the output generated for each of the following statements, given the declarations shown? Each subpart is independent and does not rely on the results of those above it. Be sure to leave the correct whitespace (blank lines if appropriate and use to indicate each blank space).

```c
int x = 2, y = 5;
float z = 2.879;
```

a. `printf("%d-%d", x * x, y - x);`

b. `printf("\nx\y\n");`

c. `printf("%d(%.1f)\n", x, z);`

d. `printf("\%.2f", z - x);`