

1.
 - A. False, a class does not need to contain private as some classes will be made entirely with public.
 - B. False, such variables are called local variables and can be used only in the function in which they are declared.
 - C. True
 - D. True
2. A. A header file is a file that contains function declarations and macro definitions to be shared across several files. It is used to keep your code organized so that you can make objects faster and easier.
A source code file is where all of the code is called on from other files and contains the code that will actually be executed when running a program. It is needed to actually run your code.

B. If you declare a variable as private you will not be able to access it without using a get or set function as making the variable private prevents open access to the variable.

3.

```
C:\Users\bmt81\CLionProjects\untitled\cmake-build-debug\untitled.exe
Universal Time is 00:00:00
Standard Time is 12:00:00 AM
-----
Universal Time is 10:19:10
Standard Time is 10:19:10 AM
-----
Universal Time is 15:25:50
Standard Time is 03:25:50 PM
-----

Process finished with exit code 0
```

4.

```
C:\Users\bmt81\CLionProjects\untitled\cmake-build-debug\untitled.exe
Previous Closing Price: 27.5
Current Price: 27.6
Percentage Change: 0.363636

Process finished with exit code 0
```

5.

```
C:\Users\bmt81\CLionProjects\untitled\cmake-build-debug\untitled.exe
r1 contains the coordinates (3, 3)
r1 does not contain r2
r1 overlaps r2

Process finished with exit code 0
```