C201 Review Questions #10

1) Match the following words with the definitions or examples given below

_____ constructor   _____ default constructor   _____ copy constructor

_____ class   _____ object   _____ private

_____ public   _____ member function   _____ friend function

A) Part of a class definition used to manipulate class data.

B) Used to initialize data members with passed in data or different data type then class.

C) A variable of user defined data type.

D) Data members/functions that anyone has access to.

E) Used to initialize data members with object of same class definition.

F) Not a member of the class, but yet has access to private members.

G) Members that are only accessible through member functions or friend functions.

H) Used to initialize data members with a preset value.

I) User defined data type that has both data and functions associated with it.

2) Write a class for the following examples. Include the private data members and the member functions for the constructor of class and for member function named "Showdata()" used to display the data members. Write the functions inline, do not prototype them.

a) A class named *Time* that has integer data members for the *hours*, *minutes* and *seconds*.

b) A class named *Complex* that has real data members named *real* and *imaginary*.