Problem 1:

1. False. A class does not necessarily need the keyword private. However, if the class definition does not contain the private or public keywords, then it is automatically private.
2. True ???
3. False, this means the function does not take any parameters.
4. True, as private only means that the data member/member function cannot be accessed outside of the class.’

Problem 2:

1. A header file is where you define the class, it’s data members and member functions. A source code file is where you implement the methods for the member functions. For example, assume you have integer X, a simple mutator function is defined as “void setX(int \_X);” in the header file, but may be implemented in the source code file as “void setX(int \_X) { X = \_X};”
2. Data members are usually declared privately, therefore you need a member function to be able to access (get) or change (set) the data member.

Problem 3:

Text

Description automatically generated

Problem 4:

Text

Description automatically generated