

**Name:** \_\_\_\_\_

**Section:** \_\_\_\_\_

**Assignment:** 2

**Due:** Beginning of your class section on Wednesday, January 31

**Maximum points:** 40

Answer the following questions. Each question will be graded from 0 - 4 and the overall score scaled to the maximum number of points. **Print only -- no cursive -- and use a pencil.**

1. Explain the difference between a class and an object.
2. Explain the difference between public and private
3. What does it mean for a class member function to be `const`?
4. Suppose a class called `classname` exists with a member variable, `x`, which is an `int`. If, in the main body, we can do `classname data; data.x = 3;` and it is valid, what can you say about the member access specifier that `x` has?
5. Suppose a class called `classname` exists with a private member variable, `y`, which is an `int`. If in the main body we can do `classname data; ... cout << data.get_value();` to display the value stored, write the class member function `get_value()`

**Assignment score / max:** \_\_\_\_\_ /20

**Scaled score:** \_\_\_\_\_ /40