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()