

ID:

..... الأسم:

1. (5 Points) True or False? Why?

a. In C++ you must define a “main” function as a member within the first class in the program. [] []

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b. In C++, all class members are public by default. [] []

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c. In C++ you can add function members to a structure. [] []

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d. In C++, the name of the class must start with capital letter. [] []

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e. You can't define an array as a member of a class. [] []

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2. (5 Points) “A complex number is a number that can be expressed in the form $a + bi$. Two complex numbers

$X=a+bi$, $Y=m+ni$ **can be summed as following: $X+Y=(a+m)+(b+n)i$ ”.**

Define a class Complex with two attributes a , b which initialized through the class constructor, then overload the $+$ operator to sum two or more Complex objects. Complete your program to run as following:

Enter two complex numbers:

2, 3

-1,2

Result= 1, 5