```
In C++ "this" is a pointer to the calling object.
this -> data member
(*this).data member
<u>Arity</u>
arity is the number of operands.
An operator with arity = 1 is a "unary" operator. An operator with arity = 2 is a "binary" operator.
Extra copies of the "Old Final Exam for Practice" are on the bulletin board at SH 157. Here are the solutions:
    1. data members \ /\  attributes or properties
    2. member functions
    3. 0
    4. binary scope resolution operator
   5. operator overloading6. The left operand must be an object of the class.
       Complex num1(3, 4);
       Complex num2(1, -3);
       Complex num3 = num1 + num2;
       + can be overloaded as a member function of the Complex class
    7. ostream& operator<< ( ostream& out, const Park& p )</pre>
       friend privilege allows a function to directly access private members of a class
    9. constructor called,
       constructor called,
       0 0
       destructor called,
       destructor called,
    10. class InsuredPackage : public Package
    11. sender, senderAddress, weight
       all data members are inherited by the derived class
       what is not inherited? constructors and assignment operators
       +=
       -=
    12. line 6, line 7
    13. 3 data members: x, y, and z
    14. 22 - take out the parameters
```

15. protected

Default Memberwise Assignment

```
Complex a(3,5);
Complex b;
b = a;
What will happen?
b.real is assigned the value of a.real
b.imag is assigned the value of a.imag
```

The data members of the right-side object are assigned, one-by-one, to the data members of the left-side object.