Quiz 4, March 9, 2010

Time: 2:30; CLOSED NOTES; Value: 3+3+3 points

1. In the following constructor, which expression(s) are member initializers?

$$X::X(int itsA = 1) : itsB(2) { itsC = 3; }$$

- 2. Given **const char** *p, write an expression that will produce a compilation error because it violates the **const** specification.
- 3. Assume that definitions for classes **X**, **Y**, and **Z** already exist. Write enough additional code to make the following code <u>compilable</u>:

```
X a, b;
Y c;
c = a + b;
```

4. (Extra credit: 3 points) True or false: If an overloaded operator needs to access private data then it must be implemented as a member function.