UA NetID here

## Quiz 6, April 6, 2010

Time: 3:00; CLOSED NOTES; Value: 5x3 points

- 1. Instead of "superclass" and "subclass", C++ programmers say class and \_\_\_\_ class.
- 2. In Java, every class is a direct or indirect subclass of **Object**. In <u>three</u> words or less, why is there no common superclass like **Object** in C++?
- 3. What C++ keyword specifies that virtual dispatch (dynamic binding) should be used for a given member function?
- 4. Write a declaration for an array named **things** that can hold up to ten instances of **Item** and/or instances of subclasses of **Item**.
- 5. Given a **Circle** class with a **getRadius()** method, write an inserter that inserts "**C**:*radius*", like "**C**:10". Feel free to abbreviate liberally.