Practice Review

TOTAL POINTS 7

1. Which of the following is true about inheritance? (Select all that apply)   **1 / 1 point**

   ☐ You can use inheritance to remove features you don't want in a subclass.

   ☑ It allows new classes to be derived from an existing class.

   > ✓ **Correct**
   > Yes.

   ☑ The subclass inherits FROM the superclass.

   > ✓ **Correct**
   > Right.

2. The keyword _____ signifies that the attributes and methods of *superclassname* are extended to *subclassname*.   **1 / 1 point**

   ○ Object

   ⦿ extends

   ○ Class getClass()

   > ✓ **Correct**
   > Right!

3. A(n) _____ relationship is one of the fundamental mechanisms for code reuse in object-oriented programming.   **1 / 1 point**

   ○ class / object

   ⦿ inheritance

   ○ parent / child

   > ✓ **Correct**
   > Correct!

4. A subclass inherits attributes and methods from its superclass and _____.

   ◉ all of its ancestors.

   ○ all of its descendants.

> ✓ **Correct**
> Correct.

5. If a class does not include the extends keyword, it is assumed to extend _____.

   ○ Object

   ○ java.lang

   ◉ java.lang.Object

> ✓ **Correct**
> Yes.

6. All Java classes ultimately inherit from _____.

   ◉ Object

   ○ java.lang.Object

   ○ extends

> ✓ **Correct**
> Correct.

7. Which of the following methods returns a value that represents the Object, as uniquely as possible within the confines of an **int**?

   ◉ int hashCode( )

   ○ boolean equals(Object obj)

   ○ Class getClass( )

> ✓ **Correct**
> Yes!