socrative
by Mastery**Connect**

Module 1: Week 3 Review

✓ **1. Which annotation is used to mark a method as a unit test?**

- (A) @TestClass
- **(B) @Test**
- (C) @Method
- (D) @UnitTest

✓ **2. Constructors are only able to be called once during the lifetime of an object.**

- **(A) True**
- (B) False

✓ **3. Inheritance is used to model a _____ relationship between classes.**

- **(A) is-a**
- (B) has-a
- (C) needs-a
- (D) wants-a
- (E) gotta

✓ **4. When a subclass provides a different implementation defined for a method in a base class that is called _____-.**

- (A) Operator overloading
- (B) Method overloading
- (C) Constructor overloading
- **(D) Method overriding**

5. ✓ // ##########################
// Alpha.java
// ##########################
public class Alpha {

public String getOpinion() {
return "Alpha is best!";
}
}

// ##########################
// Bravo.java
// ##########################
public class Bravo extends Alpha {
@Override
public String getOpinion() {
return "Bravo is best!";
}
}

// ##########################
// Charlie.java
// ##########################
public class Charlie extends Bravo {

}

// ##########################
// Delta.java
// ##########################
public class Delta extends Alpha {

}

What value is returned by calling the "getOpinion()" method on an instance of Bravo?

- (A) Alpha is best!
- **(B) Bravo is best!**
- (C) I don't know

6. ✓ In the below class declaration, what is Alpha called?
public class Bravo extends Alpha
{

}
- (A) Original Class
- (B) Source Class
- **(C) Superclass**
- (D) Subclass

7. ✓ A class can directly inherit from multiple base classes.
- (A) True
- **(B) False**

✓ 8. Polymorphism is more likely to work with _____ classes or interfaces.

Ⓐ specific

🅑 generalized

Ⓒ static

✓ 9. A class can implement more than one interface.

🅐 True

Ⓑ False

✓ 10. A(n) _____ class is a class that cannot be directly instantiated.

Ⓐ virtual

🅑 abstract

Ⓒ protected

Ⓓ sealed

✓ 11. Which access modifiers make a method accessible to a subclass in an inheritance chain? (select all that apply)

🅐 public

Ⓑ private

🅒 protected

Ⓓ static

✓ 12. In addition to instance methods, classes may also contain static methods.

🅐 True

Ⓑ False

✓ 13. Which annotation marks a method that is overridden by a subclass?

@Override

✓ 14. Which keyword is used to invoke a method or constructor inside of a superclass?

Ⓐ this

Ⓑ base

🅒 super

Ⓓ parent