socrative
by Mastery**Connect**

Name: Answer Sheet
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Quiz name: Module 1: Week 3 Review
Score: 100%

✔ 1. Which code attribute is used to mark a method as a unit test?
  (A) [TestClass]
  (B) [TestMethod]
  (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.cs
// ###########################
public class Alpha {

public virtual string GetOpinion( ) {
return "Alpha is best!";

}
}

// ###########################
// Bravo.cs
// ###########################
public class Bravo : Alpha {
```

```
public override string GetOpinion( ) {
return "Bravo is best!";
}
}

// ############################
// Charlie.cs

// ############################
public class Charlie : Bravo {

}

// ############################
// Delta.cs

// ############################
public class Delta : 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

In the below class declaration, what is Alpha called?
```
public class Bravo : Alpha
{

}
```
✔ 6.

- **(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.

- **(A)** specific
- **(B)** generalized
- **(C)** static

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

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

✔ 10.   A _____ class is a class that cannot be directly instantiated.

- **(A)** virtual

B abstract

C protected

D sealed

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

A public

B private

C protected

D static

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

A True

B False

✔ 13. Which keyword marks a method overridable by a subclass?

virtual

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

A this

B base

C super

D parent