

Practice Review

TOTAL POINTS 5

1. Which of the following are **important differences** between an interface and abstract classes? (Select all that apply)

1 / 1 point

☒ Interfaces can inherit from other interfaces, abstract classes can not.

✓ **Correct**

Yes.

☐ Interfaces can inherit from classes, abstract classes do not.

☒ An interface can only have **final** attributes and **abstract** methods.

✓ **Correct**

Yes, this is one important difference.

☒ The syntax for creation is different for interfaces and abstract classes.

✓ **Correct**

Right, this is an important difference.

☐ Similar attributes and methods are shared across all classes.

2. If you fail to provide _____ in the implementing class, you will get a compilation error.

1 / 1 point

- ☐ assigned references
- ☐ interface type
- ☒ method definitions

✓ **Correct**
Correct.

3. What replaces a method's code block when declaring methods?

1 / 1 point

- ☐ the return type
- ☐ the keyword **default**
- ☒ ; (a semi-colon)

✓ **Correct**
Right.

4. Where are interfaces defined?

1 / 1 point

- ☒ .java files
- ☐ in the method code block
- ☐ java.lang.Object

✓ **Correct**
Correct.

5. True or false: If a given class implements a specific interface, it may be assigned to references of that interface type.

1 / 1 point

- ☒ True
- ☐ False.

✓ **Correct**
Correct.