

Exercise 6

Complete the following questions.

1. Which of the following lines of code instantiates a Boat object and assigns it to a sailboat object reference?

- a. Boat sailBoat = new Boat();
- b. Boat sailBoat;
- c. Boat = new Boat();
- d. Boat sailBoat = Boat();

2. Read the following codes and identify the result from the options given below.

```
Clothing myHat = new Hat();  
Clothing mySock = new Sock();  
myHat = mySock;
```

- a. The myHat variable now contains a Sock object.
 - b. The myHat variable now contains the same address as the mySock variable.
 - c. The Sock and Hat variables are the same.
 - d. The myHat variable remains unchanged.
3. Which of the following statements are true?
- a. The dot (.) operator creates a new object instance.
 - b. The String class provides you with the ability to store a sequence of characters.
 - c. The Java API specification contains documentation for all the classes in the Java technology product.
 - d. String types are unique because they are the only class that allows you to build objects without using the new keyword.