Introduction to Java – REVIEW

1) List the three features of every object-oriented programming languages

2) Write an appropriate comment block for the beginning of a program to describe an application that is intended to calculate test averages.

3) Write a statement that declares a package with the name `gradeCalculator`

4) Write a statement that declares a class named `AverageScore` that is available to any code

5) Explain the difference between source code and bytecode

6) The following application has seven syntax errors. What are they?

```java
//
* Test.java
* What's wrong application
* Student Name
*/

package testMyKnowledge;

/**
 * The Test class should display a atring,
 */

public class Test {

        private static int main(string[] args) {
        System.out.println("Testing...)

        }
```

7) Explain the difference between the print() and println() methods.

8) Explain the advantages of using the format() method in place of the print() and println() methods

9) There are five places in which the application below does not follow the code conventions outlined in this chapter. What are they?

```java
*
 * getGreeting.java
 * What's wrong application.
 * Student Name
 */

package notSoGood;

/**
 * Good Morning is dipslayed.
 */
public class GetGreeting {

        public static void main(String[] args){
        //Output Good Morning to the screen
        System.out.println("Good Morning");
        }}
```

True/False

10) Determine if each of the following are true or false. If false, explain why.

    a. Java applications can run only on the Windows platform.
    b. Statements must end with a semicolon.
    c. Comments have no effect on program execution.
    d. The main() method is placed in the controlling class.
    e. Related statements are enclosed with brackets [ ]
    f. A file containing only source code can be executed on a computer.
    g. Compiled source code is called machine code.
    h. A program containing syntax errors will compile.
    i. An algorithm is a set of steps that outline how to solve a problem.
    j. Pseudocode cannot be used to implement an algorithm.