Practice Review

TOTAL POINTS 10

1. Java provides a program that collects all class files in one place called a _____ file.   **1 / 1 point**

   > JAR

   > ✓ **Correct**
   > Right! These files do not need to be extracted to be executed; code within a JAR file can be executed as is.

2. Packages are very useful to _____ . (Select all that apply)   **1 / 1 point**

   ☑ organize the project program elements

   > ✓ **Correct**
   > Yes.

   ☑ make classes easier to find and use

   > ✓ **Correct**
   > Right.

   ☑ avoid naming conflicts

   > ✓ **Correct**
   > Correct.

   ☐ None of these are traits of packages

3. Where does the package statement go in your code?

⬤ 1 / 1 point

○ within the class code block

⦿ the first non-comment statement in a Java file

○ inside the code block, but outside of the method block

✓ **Correct**
That's right.

4. The _____ variable lists all directories where Java packages can be found.

⬤ 1 / 1 point

⦿ classpath

○ import

○ package

✓ **Correct**
That's right.

5. Which of the following is NOT a step to create a package?

⬤ 1 / 1 point

○ Create a directory with the same name as the package.

○ Define all the classes and interfaces going into the package and save as .java files in the created directory.

⦿ Import members into the package.

○ In each source file, declare the package at the beginning of each java file using the package keyword.

✓ **Correct**
Right! This is NOT a necessary step to creating a package, it is part of using package members.

6. True or False: Only public package members are accessible outside the package in which they are defined.

⬤ 1 / 1 point

⦿ True

○ False

✓ **Correct**
Right.

7. A class may access the contents of a java package using _____ .

○ an accessibility statement

◉ an import statement

○ a connection statement

> ✓ **Correct**
> Yes.

8. Using a wildcard import statement will provide access to _____.

◉ all content within that package

○ the java.lang package

○ a single class within a package

> ✓ **Correct**
> Correct.

9. True or False: When a class has been imported, the name must be unique.

◉ True

○ False

> ✓ **Correct**
> This is false. The name can be used without qualification

10. _____ is a class for interfacing with the operating system.

○ String

◉ System

○ StringBuilder

> ✓ **Correct**
> Yes!