

CS121 Quiz 1

October 6, 2005

Name: _____

1. What are the two commands (complete with all arguments) that can compile and run a public Java class named *Quiz1* that belongs to package *edu.pace.csis.cs121*? [10 points]
2. What are the meanings of *JDK*, *JRE*, and *Java virtual machine*? [10 points]
3. What is environment variable *PATH* for? [10 points]
4. What is environment variable *CLASSPATH* for? [10 points]
5. Declare two *int*-typed variables *x1* and *x2* and initialize them with integer literals 2 and 3 respectively. [10 points]
6. What are the values of the following expressions: [10 points]

- a. $7/2$
- b. $7.0/2$
- c. $5 \% 2$
- d. $(i < 5) \&\& (i \geq 5)$
- e. $(i < 5) \|\ (i \geq 5)$

7. What is the function of the following program? [10 points]

```
package edu.pace.csis.cs121;

public class Quiz1 {
    public static void main(String[] args) {
        for (int i = 0; i < args.length; i++)
            System.out.println(args[i]);
    }
}
```

8. Write a concise and well-formatted Java program that can read a name from the command-line and print out a welcome message (you can choose message detail) for that name. [30 points]