

## Introduction and Loops Problems

1. Which of the following is the correct syntax to output a message?

- a. `System.println(Hello, world!);`
- b. `System.println.out('Hello, world!');`
- c. `System.println("Hello, world!");`
- d. `System.out.println("Hello, world!");`
- e. `Out.system.println("Hello, world!");`

2. Which of the following method headers uses the correct syntax?

- a. `public static example() {`
- b. `public static void example() {`
- c. `public void static example() {`
- d. `public static example void[] {`
- e. `public void static example{} (`

3. Which of the following choices is the correct syntax for declaring a real number variable named grade and initializing its value to 4.0?

- a. `int grade: 4.0;`
- b. `grade = double 4.0;`
- c. `double grade = 4.0;`
- d. `grade = 4;`
- e. `4.0 = grade;`

4. What is the value of variable x after the following code executes?

```
int x = 3;  
x = x + 2;  
x = x + x;
```

- a. 3
- b. 5
- c. 7
- d. 10
- e. 12