Name:	
Date:	Period:

1. Identify and fix the errors in the following code:

```
public class Test {
    public void main(string[] args) {
        int i;
        int k = 100.0;
        int j = i + 1;

        System.out.println("j is " + j + " and k is " + k);
        }
    }
}
I has no value assigned to it.
```

2. How do you write a statement to let the user enter an integer or a double value from the keyboard?

Scanner scan = new Scanner(System.in);

3. What happens if you entered "5a" when executing the following code?

```
double radius = input.nextDouble();
```

4. Which of the following identifiers (variable names) are valid? Which are Java keywords (reserved words)?

```
miles
Test
a++
a--
4#R
$4
#44
apps
class
public
int
x
y
radius
```

5. What is printed by the following line of code:
<pre>System.out.println(x = 5);</pre>
6. What are the benefits of using constants?
7. Declare an int constant SIZE with value 20.
8. What are the naming conventions for class names, methods names, constants, and variables?
9. Which of the following items can be a constant, a method, a variable, or a class according to the Java naming conventions?
MAX_VALUE Test read readInt