

Java
Tracing Code Worksheet #2

Name -
Period -

Show the output of the following code segments. If an error occurs, print "error" as your answer & explain.

1.

```
String dog = "ilovemydog";  
String dog2 = dog.substring(7);  
System.out.println(dog2);
```

2.

```
String num = "58";  
int num2 = 7;  
int num3 = Integer.parseInt(num) + num2;  
int num4 = num3 - 2;  
System.out.println(num4);
```

3.

```
int j = 1;  
double k = 1.1;  
int f = k + j;  
System.out.println(f + 2);
```

4.

```
String phrase = "ilovemydog";  
int pos = phrase.indexOf("d");  
System.out.println(pos + 2);
```

5.

```
double num = Integer.MIN_VALUE + Integer.MAX_VALUE;  
System.out.println(num);
```

6.

```
String digits = "1234567890";  
System.out.println(digits.charAt(3));
```

7.

```
int num = 2147483647 + 1;  
System.out.println(num);
```

8.

```
double f = 4.356;  
int n = (int) Math.round(100 * f);  
System.out.println(n);
```

9.

```
int num = 9;  
double result = num / 2;  
System.out.println(result);
```

10.

```
int num = 123;  
System.out.println(num % 10 + (num % 100) / 10 + (num % 1000) / 100);
```
