



Congratulations! You passed!

Next Item



1 / 1
points

1. Before you start writing your own Java programs, it is important you fully understand what your Java code will do. Try solving the following problems in this quiz by hand.

Consider the following Java methods.

```
1 int f(int x) {  
2     return x*2 - 1;  
3 }  
4  
5 int h() {  
6     int a = 3;  
7     int b = f(a) + f(4);  
8     return b;  
9 }
```

What is the return value of the call h()?

12

Correct Response



1 / 1
points

2. Consider the following method g.

```
1 int g (int a) {  
2     if (a < 9) {  
3         return 9;  
4     }  
5  
6     if (a < 7) {  
7         return 7;  
8     }  
9  
10    if (a < 4) {  
11        return 4;  
12    }  
13  
14    return 0;  
15 }
```

What is the value returned from the call g(5)?

9

Correct Response



0 / 1
points

3. Consider the following method k.

```
1 int k (int a, int b) {  
2     if (a < b) {  
3         if (b > 4) {  
4             return 0 ;  
5         }  
6         else {  
7             return 1;  
8         }  
9     }  
10    else {  
11        if (a > 4) {  
12            return 2;  
13        }  
14        else {  
15            return 3;  
16        }  
17    }  
18 }  
19  
20
```

For which of the values a and b would 2 be the return value?

- ☐ a=6, b=8
- ☐ a=1, b=3
- ☐ a=6, b=6
- ☒ a=2, b=0

This should not be selected

This is not a correct answer. For these values the return value would be 3.

