✓ **Congratulations! You passed!**

TO PASS 66% or higher

Keep Learning

GRADE
100%

Functions and Conditionals

TOTAL POINTS 3

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.**   `1 / 1 point`

Consider the following Java methods.

```java
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

2. Consider the following method g.   `1 / 1 point`

```java
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

3. Consider the following method k.   `1 / 1 point`

```java
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=2, b=0

○ a=1, b=3

○ a=6, b=8

◉ a=6, b=6

✓ Correct

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

○ a=2, b=0

○ a=1, b=3