✔ 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.**

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points

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
```

✔ 3. Consider the following method k.

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points

```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=6, b=8

◉ a=6, b=6