Functions and Conditionals

1. Consider the following Java methods.

```
int f(int x) {
   return x*2 - 1;
}

int h() {
   int a = 3;
   int b = f(a) + f(4);
   return b;
}
```
What is the return value of the call h()?
Ans : 12

2. Consider the following method g.

```
int g (int a) {
     if (a < 9) {
     return 9;
}

     if (a < 7) {
     return 7;
}

     if (a < 4) {
         return 4;
}
```

```
   return 0;
   }
```
What is the value returned from the call g(5)?

3. Consider the following method k.

```
int k (int a, int b) {
   if (a < b) {
      if (b > 4) {
         return 0 ;
      }
      else {
         return 1;
      }
   }
   else {
      if (a > 4) {
         return 2;
      }
      else {
         return 3;
      }
   }
}
```
 For which of the values a and b would 2 be the return value?
 (i) a=2, b=0
 (ii) a=6, b=6
 (iii) a=1, b=3
 (iv) a=6, b=8