1. What is output by the call a(25)?

```java
public static void a(int x){
    if(x == 0){
        System.out.print(x + " ");
    }
    else{
        a(x / -2);
        System.out.print(x + " ");
    }
}
```

Solution: 0 1 -3 6 -12 25

2. What is output by the call b(-1)?

```java
public static void b(int y){
    if(y > 10)
        System.out.print(" DONE! ");
    b(y + 2);
    System.out.print(y + " ");
}
```

Solution: " DONE! " and then Runtime Error (StackOverflowError)

3. What is returned by c(7)?

```java
public static int c(int z){
    if (z <= 1)
        return z;
    int result = z;
    result += c(z - 1);
    result -= c(z - 2);
    return result;
}
```

Solution: 7

4. What is output by the following call to foo?

```java
public static void foo(){
    System.out.println("Runtime Error");
}
```