Programming Exercise 8.2

More Parameter Lists

Purpose. The purpose of this lab is to make you feel more comfortable with using parameter lists when calling a function from main, by having you make changes to an existing program's function calls. It also gives you more practice with the "random number generator".

Requirements. Rewrite the `Addition.java` program from chapter 8, and name it `MyAddition.java`. Modify the program by using the Java *random number generator* to generate the two input numbers for each question. Limit the randomly-selected input numbers to between 0 and 10, inclusive.

To avoid having identical code appearing in main 5 times, because specific numbers no longer appear in the parameter lists of the calls, modify main to use a *count-controlled loop* that calls the function.

Program I/O. <u>Input</u>: 5 whole numbers, each in response to a math problem. <u>Output</u>: 5 correct/incorrect responses to a user input.

Examples. Here's what the output should look like, with user input in blue:

```
6 + 4 = 10
Correct!

6 + 6 = 12
Correct!

3 + 7 = 11
Very good, but a better answer is 10

5 + 9 = 14
Correct!

10 + 3 = 13
Correct!
```