Assignment 9 — The ComputeAverage Function

Write a function to find and return the average of the numbers in an array of `double` type elements. Name the function `ComputeAverage`. The function is passed two arguments: the array, and the count of numbers in the array.

Test your function by writing a `main` function that defines the following three arrays.

```cpp
const int XNUM = 5;
const int YNUM = 14;
const int ZNUM = 8;
double x[XNUM] = {11.11, 66.66, 88.88, 33.33, 55.55};
double y[YNUM] = {9, 6, 5, 8, 3, 4, 7, 4, 6, 3, 8, 5, 7, 2};
double z[ZNUM] = {123, 400, 765, 102, 345, 678, 234, 789};
```

Then, call `ComputeAverage` three times. Pass each of the three arrays in turn and display the results as shown below. For example, one call is coded this way.

```cpp
double xaverage = ComputeAverage(x, XNUM);
```

The program should produce the following output.

```
Average of numbers in array x = 51.11
Average of numbers in array y = 5.50
Average of numbers in array z = 429.50
```

Turn in a printed copy of the source program and a screen shot showing the program’s output.