Review of Assignment # 2:

- Write an algorithm to evaluate and print the sum of the following series:
  \[1^2 + 3^2 + 5^2 + 7^2 + \ldots + 89^2 + 91^2\]
- Define the data structures at the beginning of your algorithm.
- Identify the loop(s) and conditional expressions, if any, at the end of your algorithm.

The data structures for this series are:

The algorithm to sum the series is shown below:
Program #1:
Write a program that computes the area of the rectangular field shown below. Assume that the sides are 7289.9 ft and 4357.3 ft. The area should be displayed in acres.

Note: 1 acre = 43560.0 ft², how do you convert d ft² to acres?

The data structures (or variables) for the program are:

The algorithm for the program is shown below:

```cpp
// Program No. 1
#include <iostream>
using namespace std;

int main (void)
{
    // Declare variables
```
Program #2:
Modify program #1 so that the user is asked to enter the values of the length and width of the field (in ft).

The program then computes the area of the field and displays the result in acres.

The algorithm for the program is shown below:

```c++
#include <iostream>
using namespace std;

int main (void)
{
    // Declare variables
    // Initialize variables
    // Compute and convert area to acres
    // Display result
    return 0; // End of program
}
```
// Prompt user for inputs
    cout << "Enter the width of field in ft ... \n";
    // Compute area
    // Convert to acres

// Display result

return 0;       // End of program

Computer Lab Problem:
Write a program that computes the area of a right-angle triangle (shown below). The program should prompt the user for the dimensions of the triangle (in meters). Add comments in your program. Ask the professor to inspect your program.

Assignment # 4:
1. Problem 2-03 in (Problems in C++) text.
2. Why is it better to use cin.get() instead of system ("PAUSE")?