CIS 1.5
Brooklyn College
Professor Langsam

Assignment #1

Given the lengths *a*, *b*, and *c* of the sides of a triangle, the area can be computed by the formula:

$$area = \sqrt{s(s-a)(s-b)(s-c)}$$

where

$$s = \frac{(a+b+c)}{2}$$

Write a C++ program that will read in the information for an unknown number of triangles. Each set will consist of two numbers representing the length of each of the legs of a right triangle. For each triangle, calculate the length of the hypotenuse using the Pythagorean Theorem:

$$c = \sqrt{a^2 + b^2}$$

For each triangle print a message as follows:

>   *When side one is _____ and side two is _____ the hypotenuse is _____ and the area is _____.*

Terminate the program upon entry of two zeros.

Be sure to
   a.   Comment your program
   b.   Use meaningful variable names
   c.   Provide for program legibility by inserting blanks and using the indentation style discussed in class.

Use the following data:

1	1
4	2
3	1
2.5	1
10	50
.	
.	make up five sets of your own
.	
0	0