**Problem E – Triangle**

**triangle.(c|cpp|java) , triangle.in , triangle.out**

Your task is to find the Air of a triangle formed by three points A,B and C

**Input specifications:**

The input file contains several lines; each line contains six reels XA,YA,XB,YB,XC,YC,the coordinates of A,B and C respectively

**Output specifications:**

For each test case you will print the surface of the triangle ABC formed by the three points A, B and C with 2 digits after comma without rouding.

**Sample input/output:**

|  |  |
| --- | --- |
| **triangle.in** | **triangle.out** |
| **0 0 1 0 0 1** | **0.50** |