Write a program to find the area of a **triangle** using Heron's formula.

During execution, the program should print the following message on the console:

```
sides:
```

For example, if the user gives the following as **input** (input is positive floating decimal point numbers):

```
sides: 2.3 2.4 2.5
```

Then the program should print the result round off upto 2 decimal places as:

```
area: 2.49
```

Instruction: Your input and output layout must match with the sample test cases **(values as well as text strings)**.

The area of a triangle is given by Area = $\sqrt{p(p-a)(p-b)(p-c)}$, where p is half of the perimeter, or (a+b+c)/2. Let a,b,c be the lengths of the sides of the given triangle.

Hint: Use sqrt function defined in math.h header file

Source Code:

```
Program313.c
```

```
#include<stdio.h>
#include<math.h>
void main()
{
    float a,b,c,p,area;
    printf("sides: ");
    scanf("%f%f%f",&a,&b,&c);
    p=(a+b+c)/2;
    area=sqrt(p*(p-a)*(p-b)*(p-c));
    printf("area: %.2f\n",area);
}
```

Execution Results - All test cases have succeeded!

```
Test Case - 1
User Output
sides: 2.3 2.4 2.5
area: 2.49
```

```
Test Case - 2
User Output
sides: 2.6 2.7 2.8
area: 3.15
```

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