Lab Goal: This lab was designed to teach you more about objects, input, output formatting, and the Math class.

Lab Description: Calculate the area of a triangle given the values for all three sides.

```
perimeter = a + b + c

s = perimeter / 2

area = sqrt(s(s-a)(s-b)(s-c))
```

Sample Data:

3 3 3 7 8 9 10 9 11

Sample Output:

```
Enter side A :: 3
Enter side B :: 3
Enter side C :: 3

3 3 3
Area == 3.89711

Enter side A :: 7
Enter side B :: 8
Enter side C :: 9

7 8 9
Area == 26.83282

Enter side A :: 10
Enter side B :: 9
Enter side C :: 11
```

10 9 11

Area == 42.42641

Files Needed ::

Triangle.java TriangleRunner.java

algorithm help

```
set variables a, b, and c

calculate Perimeter

perimeter = a + b + c

calculate Area

s = \text{perimeter} / 2

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

print results

output sides & area
```

FORMATTING OUTPUT