

Lab Goal : This lab was designed to teach you how to instantiate an object, pass parameters, calculate values, and display the results.

Lab Description : Calculate the area of a circle. The formula for the area of a circle is as follows ::

$$a = \pi r^2$$

$$\pi = 3.14159 \text{ or } 22/7$$

Math.PI is part of the Java Math class.

You do not need an import, but you could import class Math. `import java.lang.Math;`

Sample Data:

7.5
10
72.534
55
101
99.952

Files Needed ::

Circle.java
CircleRunner.java

Sample Output :

The area is :: 176.7146

The area is :: 314.1593

The area is :: 16528.4881

The area is :: 9503.3178

The area is :: 32047.3867

The area is :: 31385.7745