

<u>S.NO</u>	<u>Test Method Name</u>	<u>Test Description</u>	<u>Input</u>	<u>Expected Output</u>	<u>Actual Output</u>
1	calculateCircleArea:Calculate Circle Area	The user wants to calculate the area of a circle.	Radius: 5	78.54	78.54
2	calculateCircleArea:Calculate Circle Area with a Zero Radius	The user wants to calculate the area of a circle with a radius of zero.	Radius: 0	Invalid	Invalid
3	calculateCircleArea:Calculate Circle Area with a Negative Radius	The user attempts to calculate the area of a circle with a negative radius.	Radius: -5	Radius cannot be negative	Radius cannot be negative
4	calculateCircleArea:Calculate Circle Area with a Large Radius	The user wants to calculate the area of a circle with a large positive radius.	Radius: 100	.31400.00	.31400.00
5	calculateRectangleArea:Calculate Rectangle Area	The user wants to calculate the area of a rectangle.	Length: 4 Width: 6	24	24
6	calculateRectangleArea:Calculate Rectangle Area with Zero Length	The user wants to calculate the area of a rectangle with a length of zero.	Length: 0 Width: 8	Invalid	Invalid
7	calculateRectangleArea:Calculate Rectangle Area with Negative Length	This test case is designed to verify the function calculateRectangleArea(length, width) by passing a negative value for the length parameter.	Length: -3 Width: 10	Length and width cannot be negative	Length and width cannot be negative
8	calculateRectangleArea:Calculate Rectangle Area with Large Length and Small Width	The test case is designed to calculate the area of a rectangle with a large length and a small width using the calculateRectangleArea function.	Length: 1000 Width: 0.1	100	100
9	calculateTriangleArea:Calculate Triangle Area	The test case is intended to calculate the area of a triangle using the calculateTriangleArea function.	Base: 3 Height: 8	12	12
10	calculateTriangleArea:Calculate Triangle Area with Decimal Values	This test case is designed to calculate the area of a triangle with decimal values for the base and height using the calculateTriangleArea function.	Base: 3.5 Height: 7.5	13.12	13.12