**Test Case Documentation – Area Calculator**  
*Author: Nischal Shrestha Kasula*  
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Test Case 1 – Circle with Valid Radius

**Input:** Radius = 5  
**Expected Output:** 78.5398  
**Actual Output:**   
A computer screen shot of a program

AI-generated content may be incorrect.  
**Result:** Pass

Test Case 2 – Circle with Zero Radius

**Input:** Radius = 0  
**Expected Output:** 0  
**Actual Output:**   
A computer screen shot of a program

AI-generated content may be incorrect.  
**Result:** Pass

Test Case 3 – Circle with Negative Radius

**Input:** Radius = -3  
**Expected Output:** Error: Radius cannot be negative.  
**Actual Output:**   
A screenshot of a computer program

AI-generated content may be incorrect.  
**Result:** Pass

Test Case 4 – Trapezium with Valid Inputs

**Input:** Base a = 4, Base b = 6, Height = 5  
**Expected Output:** 25  
**Actual Output:**   
A screenshot of a computer

AI-generated content may be incorrect.  
**Result:** Pass

Test Case 5 – Trapezium with Base A = 0

**Input:** a = 0, b = 6, h = 5  
**Expected Output:** 15  
**Actual Output:**   
A screenshot of a computer program

AI-generated content may be incorrect.  
**Result:** Pass

Test Case 6 – Trapezium with Non-Numeric Height

**Input:** a = 4, b = 6, h = "hi"  
**Expected Output:** Error: Enter a number.  
**Actual Output:**   
A screenshot of a computer

AI-generated content may be incorrect.  
**Result:** Pass

Test Case 7 – Ellipse with Valid Axes

**Input:** a = 3, b = 5  
**Expected Output:** 47.1239  
**Actual Output:**   
A screenshot of a computer program

AI-generated content may be incorrect.  
**Result:** Pass

Test Case 8 – Ellipse with Second Axis = 0

**Input:** a = 3, b = 0  
**Expected Output:** 0  
**Actual Output:**   
A screenshot of a computer

AI-generated content may be incorrect.  
**Result:** Pass

Test Case 9 – Ellipse with Negative Axis

**Input:** a = -3, b = 5  
**Expected Output:** Error: Semi-axes cannot be negative.  
**Actual Output:**   
A computer screen with white text

AI-generated content may be incorrect.  
**Result:** Pass

Test Case 10 – Rhombus with Valid Diagonals

**Input:** d1 = 6, d2 = 8  
**Expected Output:** 24  
**Actual Output:**   
A screenshot of a computer program

AI-generated content may be incorrect.  
**Result:** Pass

Test Case 11 – Rhombus with Non-Numeric Diagonal

**Input:** d1 = "a", d2 = 8  
**Expected Output:** Error: Diagonals must be numbers.  
**Actual Output:**   
A screenshot of a computer

AI-generated content may be incorrect.  
**Result:** Pass

Test Case 12 – Invalid Shape Selection

**Input:** User enters: Z  
**Expected Output:** “⚠️ Invalid shape selection.”  
**Actual Output:** A screenshot of a computer program

AI-generated content may be incorrect.  
**Result:** Pass