

```
1 using System.Globalization;
2
3 namespace Exercise6 {
4     internal class Program {
5         static void Main(string[] args) {
6             double num1, num2, num3;
7             string num1String, num2String, num3String;
8
9             Console.WriteLine("Digite os 3 valores na mesma linha: ");
10
11             string[] vetValues = Console.ReadLine().Split(' ');
12
13             num1String = vetValues[0];
14             num2String = vetValues[1];
15             num3String = vetValues[2];
16
17             num1 = double.Parse(num1String, CultureInfo.InvariantCulture);
18             num2 = double.Parse(num2String, CultureInfo.InvariantCulture);
19             num3 = double.Parse(num3String, CultureInfo.InvariantCulture);
20
21             //a)
22             double triangleArea;
23             double baseTriangle = num1;
24             double highTriangle = num3;
25
26             triangleArea = baseTriangle * highTriangle / 2;
27
28             //b)
29             double pi = 3.14159;
30             double radius = num3;
31             double radiusPow2 = Math.Pow(radius, 2);
32
33             double circleArea = pi * radiusPow2 ;
34
35             //c)
36             double base1Trapeze = num1;
37             double base2Trapeze = num2;
38             double highTrapeze = num3;
39
40             double trapezeArea = (base1Trapeze + base2Trapeze) *
                highTrapeze / 2;
41
42             //d)
43             double sideSquare = num2;
44             double sidePow2 = Math.Pow(sideSquare, 2);
45
46             double squareArea = sidePow2;
47
48             //e)
49             double side1Rectangle = num1;
```

```
50         double side2Rectangle = num2;
51
52         double rectangleArea = side1Rectangle * side2Rectangle;
53
54         //show data exit
55         Console.WriteLine("TRIANGULO = " + triangleArea.ToString("F3", CultureInfo.InvariantCulture));
56         Console.WriteLine("CIRCULO = " + circleArea.ToString("F3", CultureInfo.InvariantCulture));
57         Console.WriteLine("TRAPEZIO = " + trapezeArea.ToString("F3", CultureInfo.InvariantCulture));
58         Console.WriteLine("QUADRADO = " + squareArea.ToString("F3", CultureInfo.InvariantCulture));
59         Console.WriteLine("RETANGULO = " + rectangleArea.ToString("F3", CultureInfo.InvariantCulture));
60     }
61 }
62 }
```