

Next to each line in the Load method, write the output that would display in the corresponding label. Also, trace the parameters & variables by filling in the columns below.

Public Class Form1

```
Const PI As Double = 3.14           ' mathematical constant PI
Const PRICE_COOKIE As Double = 0.50 ' price per cookie
Const PA_SALES_TAX As Double = 0.06 ' Pennsylvania sales tax rate
```

```
Private Sub Form1_Load(. . .)
    Label1.Text = ComputeAreaCircle(10)           1 _____
    Label2.Text = ComputeCircumferenceCircle(5)   2 _____
    Label3.Text = ComputeAreaParallelogram(5, 8)   3 _____

    Dim numCookies As Integer = 3                ' numCookies  totalWithoutTax  taxAmount
    Dim totalWithoutTax As Double = 0.0
    Dim taxAmount As Double = 0.0

    totalWithoutTax = ComputeCost(numCookies, PRICE_COOKIE)
    Label4.Text = totalWithoutTax                 4 _____

    taxAmount = ComputeTax(totalWithoutTax, PA_SALES_TAX)
    Label5.Text = totalWithoutTax + taxAmount     5 _____
End Sub
```

```
Private Function ComputeAreaCircle(ByVal radius As Integer) As Double
    Return Math.Pow(radius, 2) * PI              ' radius
End Function
```

```
Private Function ComputeCircumferenceCircle(ByVal radius As Integer) As Double
    Return 2 * radius * PI                       ' radius
End Function
```

```
Private Function ComputeAreaParallelogram(ByVal b As Integer, ByVal h As Integer) As Integer
    Return b * h                                  ' b h
End Function
```

```
Private Function ComputeCost(ByVal numItems As Integer, ByVal costPerItem As Double) As Double
    Return numItems * costPerItem                ' numItems costPerItem
End Function
```

```
Private Function ComputeTax(ByVal basePrice As Integer, ByVal taxRate As Double) As Double
    Return basePrice * taxRate                   ' basePrice taxRate
End Function
```

_____ 6. What is the name of the parameter in the function header of the ComputeCircumference function?

_____ 7. How many parameters are passed to the ComputeAreaParallelogram function?

_____ 8. What is the return type of the ComputeCost function?

9. Why are the return types for some functions in this program different from the return types of other functions?

10. Why are functions used in VB?