

Visual Basic
Tracing Functions Worksheet #5

Name -

Period -

Next to each line in the Load method, write the output.

```
Public Class Form1
```

```
Private Sub Form1_Load(. . .)
    TextBox1.Text = Norway()
    TextBox2.Text = Sweden(5)
    TextBox3.Text = Sweden(5) + Norway()
    TextBox4.Text = Iceland(10, 20)
    TextBox5.Text = Iceland(5, 8)
    TextBox6.Text = Denmark(5)
    TextBox7.Text = Belgium(5)
    TextBox8.Text = Finland(5, 8)
    TextBox9.Text = Greenland(8, 5)
    TextBox0.Text = Greenland(5, 5)
End Sub
```

Answers Here

1	_____
2	_____
3	_____
4	_____
5	_____
6	_____
7	_____
8	_____
9	_____
10	_____

```
Private Function Norway() As Integer
    Return 1 * 2 * 3 * 4 * 5
End Function
```

```
Private Function Sweden(ByVal intNum As Integer) As Boolean
    Return intNum * Norway()
End Function
```

```
Private Function Iceland(ByVal intNum1 As Integer, ByVal intNum2 As Integer) As Integer
    Return (intNum1 + intNum2) / 2
End Function
```

```
Private Function Denmark(ByVal intNum As Integer) As Integer
    If (Sweden(intNum) > 1000) Then
        Return True
    End If
    Return False
End Function
```

```
Private Function Belgium(ByVal intNum As Integer) As Integer
    If (Denmark(intNum)) Then
        Return 1
    End If
    Return 0
End Function
```

```
Private Function Finland(ByVal intNum1 As Integer, ByVal intNum2 As Integer) As Integer
    Dim intTemp As Integer
    Dim i As Integer = 0

    For i = intNum1 To intNum2
        intTemp += i
    Next
    Return intTemp
End Function
```

```
Private Function Greenland(ByVal intNum1 As Integer, ByVal intNum2 As Integer) As Integer
    If (intNum1 = intNum2) Then
        Return intNum1
    ElseIf (intNum2 < intNum1) Then
        Return Finland(intNum2, intNum1)
    End If
    Return Finland(intNum1, intNum2)
End Function
```

```
End Class
```