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' Ch4Demo Math Methods and Macho Rounding
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Public Class Form1  
    Inherits System.Windows.Forms.Form
```

```
Windows Form Designer generated code
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```
Private Sub btnAbs_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) ✓  
Handles btnAbs.Click  
    Dim intNum1 As Integer = Val(txtNum1.Text)  
  
    lblAbs.Text = Math.Abs(intNum1)  
End Sub
```

```
Private Sub btnSqrt_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) ✓  
Handles btnSqrt.Click  
    Dim dblNum1 As Double = Val(txtNum1.Text)  
  
    lblSqrt.Text = Math.Sqrt(dblNum1)  
End Sub
```

```
Private Sub btnPow_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) ✓  
Handles btnPow.Click  
    Dim intNum1 As Integer = Val(txtNum1.Text)  
    Dim intNum2 As Integer = Val(txtNum2.Text)  
  
    lblPow.Text = Math.Pow(intNum1, intNum2)  
End Sub
```

```
Private Sub btnMax_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) ✓  
Handles btnMax.Click  
    Dim intNum1 As Integer = Val(txtNum1.Text)  
    Dim intNum2 As Integer = Val(txtNum2.Text)  
  
    lblMax.Text = Math.Max(intNum1, intNum2)  
    'lblMax.Text = Math.Max(Math.Max(intNum1, intNum2), 99)  
End Sub
```

```
Private Sub btnFloor_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) ✓  
Handles btnFloor.Click  
    Dim dblNum1 As Double = Val(txtNum1.Text)  
  
    lblFloor.Text = Math.Floor(dblNum1)  
End Sub
```

```
Private Sub btnRound_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) ✓  
Handles btnRound.Click  
    Dim dblNum1 As Double = Val(txtNum1.Text)  
    lblRound.Text = Math.Round(dblNum1) ' Bankers Rounding  
  
    'lblRound.Text = Math.Floor(dblNum1 + 0.5) ' Macho Rounding to the ✓  
nearest whole number  
    'lblRound.Text = Math.Floor(dblNum1 * 100 + 0.5) / 100 ' Macho Rounding to the ✓  
hundredth's place  
End Sub
```

```
Private Sub btnPi_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) ✓  
Handles btnPi.Click  
    MessageBox.Show(Math.Round(Math.PI, 2)) ' nesting two Math methods  
End Sub
```

```
End Class
```