```vb
1  'Tyler Lish
2  'RCET0265
3  'Etch A Sketch
4  'ASG 13 - 1
5  'https://github.com/lishtyl2/TL-VS-F19/tree/master/Assignments
6
7  Public Class GraphicsForm
8
9      Dim newcolor As Color
10     Private Sub PictureBox1_MouseMove(ByVal sender As Object, ByVal e As          ⏎
          System.Windows.Forms.MouseEventArgs) Handles PictureBox1.MouseMove
11         Dim graph As Graphics = PictureBox1.CreateGraphics
12         ' Create pen.
13         Dim blackPen As New Pen(newcolor, 3)
14         Static x1, y1 As Single
15         If x1 = 0 And y1 = 0 Then x1 = e.X : y1 = e.Y : newcolor = Color.Cyan
16         If e.Button.ToString = "Left" Then
17             graph.DrawLine(blackPen, x1, y1, e.X, e.Y)
18         End If
19         If e.Button.ToString = "Right" Then
20             graph.DrawLine(blackPen, x1, y1, e.X, e.Y)
21         End If
22         'Display mouse events in label
23         x1 = e.X : y1 = e.Y
24         Label1.Text = e.Button.ToString & " " & e.X & " " & e.Y
25         Label1.Left = e.X - Label1.Width
26         Label1.Top = e.Y - Label1.Height
27     End Sub
28     Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As           ⏎
          System.EventArgs) Handles ClearButton.Click
29         Dim graph As Graphics = PictureBox1.CreateGraphics
30         Dim offset As Integer = 10
31         My.Computer.Audio.Play(My.Resources.bomb_x, AudioPlayMode.Background)
32         For var As Integer = 1 To 10
33             offset *= -1
34             PictureBox1.Left += offset
35             System.Threading.Thread.Sleep(225)
36         Next
37         graph.Clear(Color.White)
38     End Sub
39     Private Sub ColorPickerButton_Click(ByVal sender As System.Object, ByVal e   ⏎
          As System.EventArgs) Handles ColorPickerButton.Click
40         ColorDialog1.ShowDialog()
41         newcolor = ColorDialog1.Color
42     End Sub
43
44     Private Sub ExitButton_Click(sender As Object, e As EventArgs) Handles        ⏎
          SineWaveButton.Click
45         Dim x As Double
```

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46          Dim y As Double
47          Dim blackPen As New Pen(Color.Black, 3)
48          Dim g As Graphics
49          Dim graticulPen As New Pen(Color.ForestGreen, 3)
50          Dim sinWavePen As New Pen(Color.OrangeRed, 2)
51          Dim cosWavePen As New Pen(Color.MediumPurple, 2)
52          Dim graph As Graphics = PictureBox1.CreateGraphics
53          graph.Clear(Color.LightGray)
54          g = PictureBox1.CreateGraphics
55          g.DrawLine(graticulPen, 0, 150, PictureBox1.Width, 150)
56          g.DrawRectangle(pen:=graticulPen, x:=2, y:=1, width:=3000, height:=300)
57
58          For r As Double = 0 To 2000
59              y = Math.Sin(r / 175 * 2 * Math.PI) * 150 + 150
60              x = r
61              g.DrawLine(sinWavePen, CType(x, Single), CType(y, Single), CType(x, ⏎
                  Single) + 1, CType(y, Single))
62
63              y = Math.Cos(r / 175 * 2 * Math.PI) * 150 + 150
64              x = r
65              g.DrawLine(cosWavePen, CType(x, Single), CType(y, Single), CType(x, ⏎
                  Single) + 1, CType(y, Single))
66
67
68              y = Math.Tan(r / 175 * 2 * Math.PI) * 150 + 150
69              x = r
70              g.DrawLine(blackPen, CType(x, Single), CType(y, Single), CType(x,  ⏎
                  Single) + 1, CType(y, Single))
71          Next
72
73      End Sub
74  End Class
75
```