Part I – True/False

1. BackColor is an example of a method.
2. A gif file can be used in a PictureBox.
3. A Brush object is used with methods such as FillEllipse.
4. Visual Basic's DrawSquare method can be used to draw rectangles.
5. The parameters 0, 0, 0 can be used in the FromArgb method to produce the color black.
6. The DrawLine method accepts 5 parameters: a pen object and 4 numbers.
7. Methods should only be used as a last resort.
8. The Paint method is used when drawing graphics on a form.
9. A call statement is the first line at the top of a method.
10. A call statement must contain at least one parameter.

Part II – Fill in the Blank.

11. What method can be used to draw a filled in circle? ____________________

Part III – Write a VB statement or code segment that performs the following tasks. You can assume that any necessary variables have been declared unless you are specifically asked to write a declaration statement.

12. Complete the following statement so it draws a straight, blue line from the point 10, 20 to the point 100, 50.

```
e.Graphics.DrawLine(Pens.Blue, 10, 20, 100, 50)
```

13. Complete the following statement so it draws an unfilled, red oval that has a width of 100 pixels and a height of 50 pixels. The bounding rectangle must have a top, left corner of 150, 100.

```
e.Graphics.DrawEllipse(Pens.Red, 150, 100, 100, 50)
```

14. Complete the following statement so it draws an orange, unfilled square that has a width of 150 pixels. The square must have a top, right corner of 200, 65.

```
e.Graphics.DrawRectangle(Pens.Orange, 200, 65, 150, 150)
```

15. Complete the following method named DrawTarget so it draws a filled blue circle that is inside of an unfilled red circle.

```
Private Sub DrawTarget(ByVal sender, ByVal e)
    e.Graphics.DrawEllipse(Pens.Black, 0, 0, 300, 300)
End Sub
```

16. Write a call statement that calls a method named DrawTarget and that passes two parameters named sender and e.

```
call DrawTarget(sender, e)
```

17. Write a call statement that calls a method named DrawStickFigure. The method accepts no parameters.

```
call DrawStickFigure()
```

18. Neatly sketch a form and label the x and y axis from 0 to 300 and draw the design formed by the following method. Label the endpoints of the line segments.

```
Private Sub DrawPlus(ByVal sender, ByVal e)
    e.Graphics.DrawLine(Pens.Black, 0, 150, 300, 150)
    e.Graphics.DrawLine(Pens.Black, 150, 0, 150, 300)
    DrawCircle(sender, e)
End Sub
```

```
Private Sub DrawCircle(ByVal sender, ByVal e)
    e.Graphics.DrawEllipse(Pens.Black, 0, 0, 300, 300)
End Sub
```

19. Write out the Hello World program that we studied earlier in this course.

```
Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
    Me.Text = "Hello World"
End Sub
```