Visual Basic
Strings Worksheet #5

Name -
Period -

Trace the following code segments. Assume all variables are declared & initialized to zero. Circle the final values of each variable in each exercise.

1.

```
word = “electric eel”
count = 0

For J = 0 To word.Length() – 1

      If (word.Substring(J, 1)) = "e" Then
            count += 1
      End If

Next
```

count J

2.

```
word = “panvowely”
count = 0
vowels = "aeiou"

For J = 0 To word.Length() – 1
      letter = word.Substring(J, 1)

      If (vowels.IndexOf(letter) >= 0) Then
            count += 1
      End If
Next
```

count J letter

3.

```
monster1 = “king kong”
monster2 = "godzilla"
length = Math.Min(monster1.Length(), monster2.Length())

For J = 0 To length - 1
      If (monster1.Substring(J, 1) > monster2.Substring(J, 1)) Then
            kkWins += 1
      End If
Next
```

length kkWins J

4.

```
withMiddle = "George W Bush"
firstLast = withMiddle.Substring(0, 6) + withMiddle.Substring(9)
```

firstLast

5.

```
Dim names() As String = {"Jane", "Sally", "Bill", "Fred", "Mary"}

For J = 0 To names.Length() - 1
      len = names(J).Length()
      sum += len
Next
```

len sum J