Visual Basic   Name -
Tracing For Loops Worksheet #4   Period -

Trace the following code segments showing the values for each variable in the appropriate columns. Write "infinite loop" if the loop never ends. **Circle the final values stored in each variable.**

1.
```
Dim sum As Integer = 0                    sum        J

For J = 1 To 3
    sum = sum + (J – 1)
Next
```

2.
```
Dim count As Integer = 0                  count      upperLimit          J
Dim upperLimit As Integer = 7

For J = 1 To upperLimit Step 2
    count = count + 1
Next
```

3.
```
Dim total As Double = 0.0                 total          J

For J = 2 To 8 Step 2
    total = total + J * 0.5
Next
```

4.
```
Dim lead As Integer = 1                   lead       follower        J
Dim follower As Integer = 0

For J = 1 To 6
    lead = lead + follower
    follower = lead
Next
```