Visual Basic Name -
Tracing For Loops Worksheet #2

Trace the following code segments showing the values for each variable in the appropriate columns. Write "infinite loop" if the loop never ends. Write "error" if you think there is a syntax error. Circle your final values.

1.

```
Dim intSum As Integer = 0

For J = 1 To 5
      intSum = intSum + 1
Next
```

intSum	J

2.

```
Dim intSum As Integer = 100

For J = 12 To 1 Step -3
      intSum = intSum - J
Next
```

intSum	J

3.

```
Dim dblTotal As Double = 1
Dim intLimit as Integer = 40

For intDeposit = 0 To intLimit Step 10
      dblTotal = dblTotal + intDeposit * 0.1
Next
```

dblTotal	intLimit	intDeposit

4.

```
Dim intNum1 As Integer = 1
Dim intNum2 As Integer = 1
Dim intNew as Integer = 0

For J = 0 To 5
      intNew = intNum1 + intNum2
      intNum1 = intNum2
      intNum2 = intNew
Next
' hint Fibonacci
```

intNum1	intNum2	intNew	J