

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	<u>sum</u>	<u>J</u>
		0	1
	For J = 1 To 3		
	sum = sum + 1		
	Next		

2.	Dim sum As Integer = 0	<u>sum</u>	<u>J</u>
		0	11
	For J = 11 To 13		
	sum += 1		
	Next		

3.	Dim sum As Integer = 0	<u>sum</u>	<u>J</u>
		0	1
	For J = 1 To 5 Step 2		
	sum += 1		
	Next		

4.	Dim sum As Integer = 0	<u>sum</u>	<u>J</u>
		0	3
	For J = 3 To 1 Step -1		
	sum += 1		
	Next		

5.	Dim sum As Integer = 0	<u>sum</u>	<u>J</u>
		0	1
	For J = 1 To 3		
	sum += 2		
	Next		

6.	Dim sum As Integer = 10	<u>sum</u>	<u>J</u>
		10	1
	For J = 1 To 3		
	sum -= 1		
	Next		

7. What is the formula for determining counting the number of For loop iterations?

8.	For J = 1 To 10	How many loop iterations?
	MessageBox.Show("Hello World")	
	Next	

9.	For J = 12 to 93	How many loop iterations?
	MessageBox.Show("Hello World")	
	Next	