Wyo VB
Ch. 4 Worksheet #11
Period -

Trace the following code segments. Assume all undeclared variables are initialized to zero. If an error would occur, explain it. If an infinite loop occurs, write "infinite loop".

```
1.
Dim intScores() As Integer = {11, 112, -93, 20, 52}
                                           <u>in</u>tSum
While (intScores(J) > intSum)
   intSum = intSum + intScores(J)
   J = J + 1
End While
2.
Dim dblAves(4) As Double
While (intPosition < 4 And dblSum < 5)
                                               intPosition
                                                             dblSum
                                                                          draw dblAves
      dblAves(intPosition + 1) = intPosition
      dblSum += intPosition
      intPosition = intPosition + 1
End While
3.
Dim intValues() As Integer = {1, 4, 10, 14, 22, 32, 38, 49, 60, 63, 77, 89, 90, 91}
Dim intMid As Integer = 7
Dim blnFound As Boolean = False
                                                 intMid
                                                            intLow
                                                                      intHigh
Dim intLow As Integer = 0
Dim intHigh As Integer = 13
Dim intKey As Integer = 22
While (Not blnFound And intLow <= intHigh)
      If (intValues(intMid) = intKey) Then
            blnFound = True
      ElseIf (intLow + 1 \ge intHigh) Then
            Exit While
      Else
            If (intValues(intMid) > intKey) Then
                    intHigh = intMid - 1
            Else
                    intLow = intMid + 1
            End If
            intMid = Math.Round((intLow + intHigh) / 2)
      End If
 End While
```