

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, 32, 13, 44, 25}

While (intScores(J) < 40)           J           intSum
    intSum = intSum + intScores(J)
    J = J + 1
End While
```

2.

```
Dim intScores(10) As Integer

While (J < 6)                       J           draw intScores
    J = J + 2
    intScores(J - 1) = J * 2
    intScores(J - 2) = 5

    If (J > 6) Then
        intScores(9) = 14
        Exit While
    End If
End While
```

3.

```
Dim dblScores() As Double = {99, 83, 79.5, 55, 91}
Dim blnFound As Boolean = False

While (Not blnFound)                intIndex   dblAverage   dblSum   blnFound

    If (dblScores(intIndex) < 60) Then
        blnFound = True
    Else
        dblSum += dblScores(intIndex)
    End If

    intIndex += 1
End While

dblAverage = dblSum / (intIndex - 1)
```