

Visual Basic  
Tracing If Statements Worksheet #3

Name -  
Period -

Trace the following code segments. Assume all variables are declared. Circle the final value of `intAnswer` in each exercise.

1.  
`intNum = 5` `intAnswer`

```
If (intNum Mod 2 = 1) Then
    intAnswer = 1
Else
    intAnswer = 2
End If
```

2.  
`intNum = 11` `intAnswer`

```
If (intNum Mod 2 = 0 Or intNum Mod 3 = 0 Or intNum Mod 5 = 0 Or intNum Mod 7 = 0) Then
    intAnswer = 2
Else
    intAnswer = 1
End If
```

3.  
`intNum = 5` `intAnswer`

```
If (intNum Mod 2 <> 0 And intNum Mod 3 <> 0 And _
    intNum Mod 5 <> 0 Or intNum = 2 Or intNum = 3 Or intNum = 5) Then
    intAnswer = 1
Else
    intAnswer = 2
End If
```

4.  
`intNum1 = 3` `intAnswer`  
`intNum2 = 5`  
`intNum3 = 1900000005`

```
If (intNum3 Mod intNum1 = 0) Then
    intAnswer = 0

    If (intNum3 Mod intNum2 = 0) Then
        intAnswer = 2
    Else
        intAnswer = 1
    End If

Else
    intAnswer = 3
End If
```