

Visual Basic
Tracing If Statements Worksheet #3

Name -

Trace the following code segments. Assume all variables are declared. Show 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
```