Visual Basic
Ch. 4 Worksheet #14

Name -

Period –

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

1.

```
strPhrase = "nothing"
intNum = 5

If (intNum Mod 2 = 1) Then
      strPhrase = "moo"
Else
      strPhrase = "mee"
End If
```

strPhrase =

2.

```
strPhrase = "nothing"
intNum = 11

If (intNum Mod 2 = 0 Or intNum Mod 3 = 0 Or intNum Mod 5 = 0 Or intNum Mod 7 = 0) Then
      strPhrase = "comp"
Else
      strPhrase = "prim"
End If
```

strPhrase =

3.

```
strPhrase = "nothing"
intNum = 5

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
      strPhrase = "prim"
Else
      strPhrase = "comp"
End If
```

strPhrase =

4.

```
strPhrase = "nothing"
intNum1 = 3
intNum2 = 5
intNum3 = 1900000005

If (intNum3 Mod intNum1 = 0) Then
      strPhrase = "divby1"

      If (intNum3 Mod intNum2 = 0) Then
            strPhrase = strPhrase + " divby2"
      Else
            strPhrase = strPhrase + " not divby2"
      End If

Else
      strPhrase = "notdivby2"
End If
```

strPhrase =