

Trace the following code segments and show the output. If an error occurs, print "error". Be sure to follow the order of operations.

```
1.  
Const PRICE_PER_DONUT As Double = 0.50           numDonuts           totalCost  
Const DISCOUNT As Double = 2.50  
Dim numDonuts As Integer = 0  
Dim totalCost As Double = 0  
  
numDonuts = 5  
totalCost = numDonuts * PRICE_PER_DONUT - DISCOUNT  
lblTotalCost.Text = "$" + Str(totalCost)
```

The output that shows up in the label named lblTotalCost.Text is: \_\_\_\_\_

**2. Assume that the value 10 is typed into the textbox named txtNumBooks**

```
Const PRICE_PER_BOOK As Double = 8.00           numBooks           totalCost  
Const SHIPPING As Double = 3.00  
Dim numBooks As Integer = 0  
Dim totalCost As Double = 0  
  
numBooks = Val(txtNumBooks.Text)  
totalCost = numBooks * PRICE_PER_BOOK + SHIPPING * numBooks  
lblTotalCost.Text = "$" + Str(totalCost)
```

The output that shows up in the label named lblTotalCost.Text is: \_\_\_\_\_

**3. Assume that the value 18 is typed into the textbox named txtQuizGrade**

```
Const CURVE As Integer = 5                       numPoints           totalPoints  
Dim numPoints As Integer = 0  
Dim totalPoints As Integer = 0  
  
numPoints = Val(txtQuizGrade.Text)  
totalPoints = numPoints + CURVE  
lblTotalPoints.Text = Str(totalPoints)
```

The output that shows up in the label named lblTotalPoints.Text is: \_\_\_\_\_

```
4.  
Dim appleSubtotal As Integer = 14                grandTotal  
Dim bananaSubtotal As Integer = 8  
Dim cherrySubtotal As Integer = 6  
Dim grandTotal As Double = 0  
  
grandTotal = appleSubtotal + bananaSubtotal + cherrySubtotal / 2  
lblGrandTotal.Text = "The total is " + Str(grandTotal)
```

The output that shows up in the label named lblGrandTotal.Text is: \_\_\_\_\_

5.

```

Const HIT_DAMAGE As Integer = 10           playerHealth           numHits
Dim playerHealth As Integer = 25

Dim numHits As Integer = 3
playerHealth = playerHealth - numHits * HIT_DAMAGE
lblHealth.Text = "health = " + Str(playerHealth)

```

The output that shows up in the label named lblHealth.Text is: \_\_\_\_\_

**6. Assume that the value 2 is typed into the textbox named txtTweets**

```

Const MAX_CHARACTERS_PER_TWEET As Integer = 140           numTweets           totalWords
Const CHARACTERS_PER_WORD As Integer = 5
Dim numTweets As Integer = 0
Dim totalWords As Integer = 0

numTweets = Val(txtTweets.Text)
totalWords = MAX_CHARACTERS_PER_TWEET * numTweets / CHARACTERS_PER_WORD
lblNumWords.Text = "number of words = " + Str(totalWords)

```

The output that shows up in the label named lblNumWords.Text is: \_\_\_\_\_

**7. Redo Exercise #6 above assuming that the value 10 is typed into the textbox named txtTweets.**

```

numTweets           totalWords

```

The output that shows up in the label named lblNumWords.Text is: \_\_\_\_\_

8.

```

Const TOTAL_POINTS_POSSIBLE As Integer = 10           totalPoints   numStudents   average
Dim student1Grade As Integer = 6
Dim student2Grade As Integer = 8
Dim student3Grade As Integer = 10
Dim totalPoints As Integer = 0
Dim numStudents As Integer = 3
Dim average As Double = 0

totalPoints = student1Grade + student2Grade + student3Grade

average = totalPoints / numStudents / TOTAL_POINTS_POSSIBLE
lblAverageScore.Text = Str(average)

```

The output that shows up in the label named lblAverageScore.Text is: \_\_\_\_\_

9.

```

Const INTEREST_RATE As Double = 0.05           bankBalance           numYears           interestEarned
Dim bankBalance As Double = 100
Dim numYears As Integer = 8
Dim interestEarned As Double = 0

interestEarned = bankBalance * INTEREST_RATE * numYears
lblInterest.Text = "You earned $" + Str(interestEarned)

```

The output that shows up in the label named lblInterest.Text is: \_\_\_\_\_