Homework Solution #3

Chapter 4 Problems

4. Private Sub cmdName_Click()
    Dim first As String, last As String
    
    first = txtFirst.Text
    last = txtLast.Text
    
    picOut.cls
    picOut.Print last & “, “ & first
    End Sub

6. Private Sub cmdVelocity_Click()
    Dim velocity As Single
    
    velocity = txtDistance / txtTime
    
    picOut.cls
    picOut.Print “Average velocity is “; velocity; “ mph.”
    End Sub

7. Private Sub cmdSpeed_Click()
    Dim x As Single, y As Single, d As Single
    Dim awayt As Double, awayd As Double, towt As Double, towd As Double
    
    x = txtX.Text
    y = txtY.Text
    d = txtD.Text
    awayt = (d / (y – x))
    awayd = awayt * y
    towt = (d / (y + x))
    towd = towardt * y
    
    picOut.cls
    picOut.Print “Speeder traveling away from officer”
    picOut.Print “Time to catch speeder is “; awayt; “ hours.”
    PicOut.Print “Distance traveled by officer is “; awayd; “ miles.”
    
    picOut.cls
    picOut.Print “Speeder traveling toward officer”
    picOut.Print “Time to catch speeder is “; towt; “ hours.”
    PicOut.Print “Distance traveled by officer is “; towd; “ miles.”

    End Sub
Private Sub cmdRoots_Click()
Dim a As Double, b As Double, c As Double, x As Double, y As Double

a = txtA
b = txtB
c = txtC

x = (-b + Sqr((b ^ 2) – (4 * a * c))) / (2 * a)
y = (-b - Sqr((b ^ 2) – (4 * a * c))) / (2 * a)

picOut.cls
picOut.Print “Roots are “; x
picOut.Print “and “; y
End Sub