CE 215, Fall 2003
Homework #9 - Visual Basic Programming with FOR-NEXT Loops

Calculate the cross-section area of a stream using the trapezoid rule.

The final program should:

count the number of rows of data

determine the number of trapezoidal “slices” (one less than the number of rows)

use a for-next loop to calculate the area of each slice

- read the depth data and x-distance data from the spreadsheet
- calculate the width of the slice
- calculate the average depth of the slice
- calculate the area of the slice
- calculate the cumulative area

output the total area to the spreadsheet

have a button in the spreadsheet that starts the program