

Book2 - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View

Clipboard Font Alignment Number Styles Cells Editing

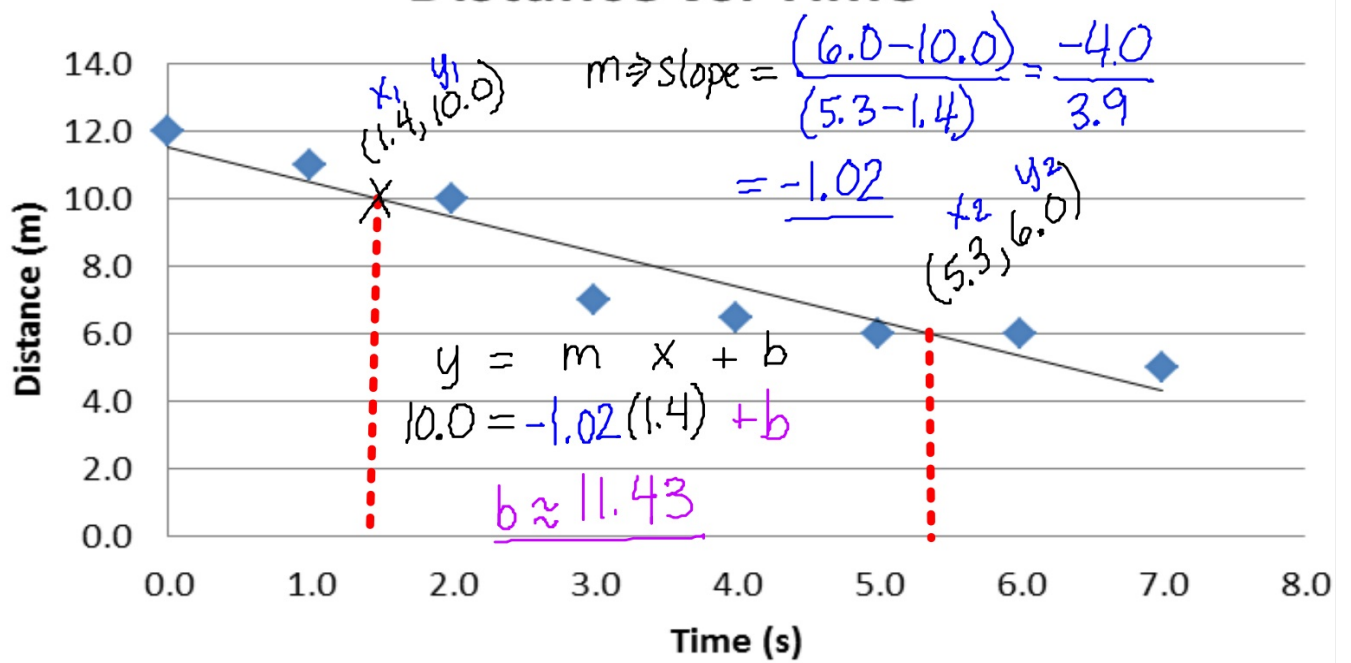
A1

	A	B	C	D	E	F	G	H
1								
2	<b>Distance (m) vs. Time (s)</b>		1) Graph					
3	Time (s)	Distance (m)	2) Line of Best-fit					
4	0.0	12.0	3) Equation					
5	1.0	11.0	4) Interpret your slope (value and units)					
6	2.0	10.0						
7	3.0	7.0						
8	4.0	6.5						
9	5.0	6.0						
10	6.0	6.0						
11	7.0	5.0						
12								

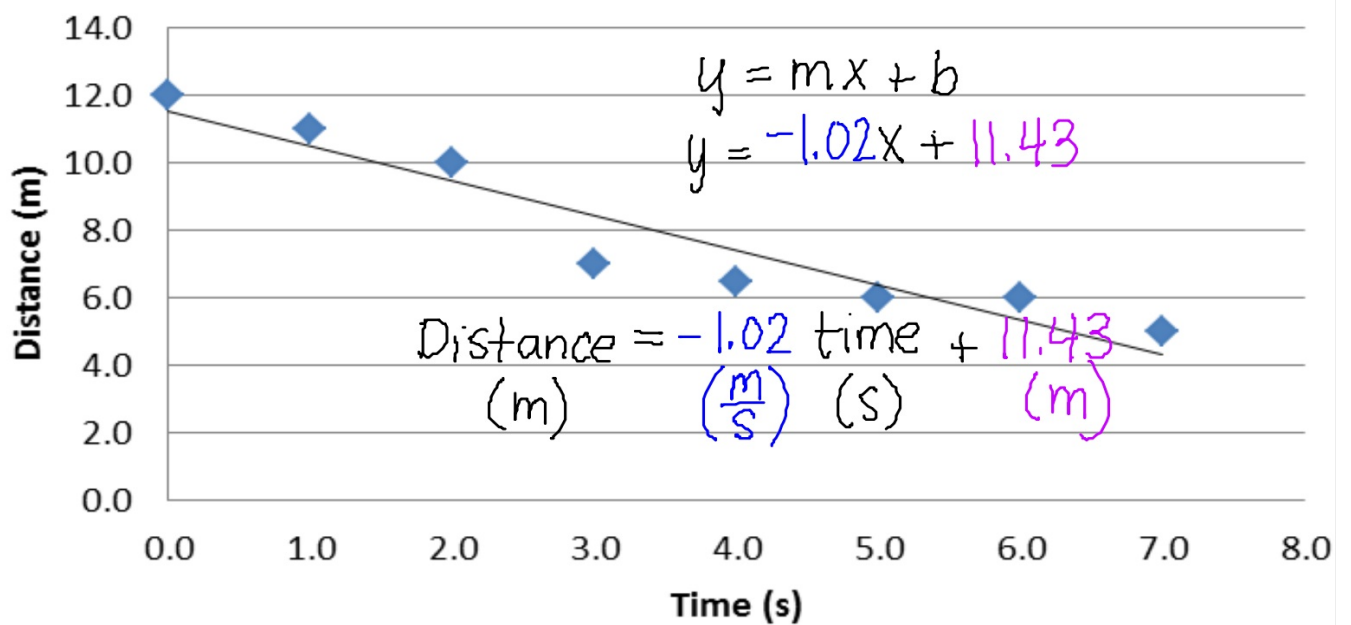
1.3 Problem #25 Sheet2 Sheet3

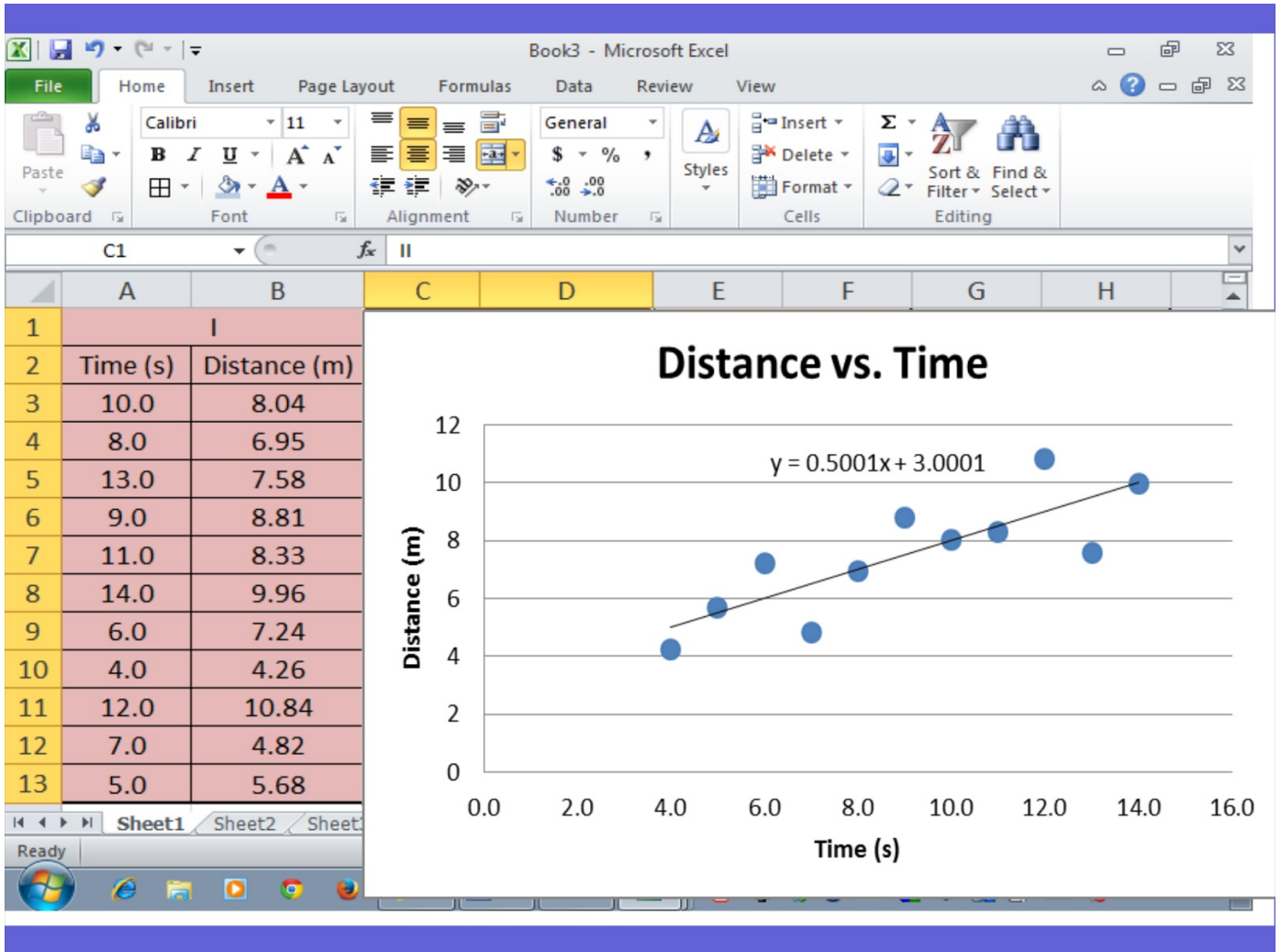
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## Distance vs. Time



## Distance vs. Time





### **Homework:**

For data sets II, III, and IV, complete the following:

- 1) Graph the data set (half-sheet, labels, scale)
- 2) Determine what type of relationship is occurring
- 3) If linear, draw the line of best-fit and determine its equation.
- 4) If nonlinear, research how you could linearize the data.

Microsoft Excel interface showing a spreadsheet with data organized into three columns (II, III, IV) and two rows (Time (s), Distance (m)). The spreadsheet is displayed on Sheet1, with the active cell at J5.

	C	D	E	F	G	H	I	J
L	II		III		IV			
2	Time (s)	Distance (m)	Time (s)	Distance (m)	Time (s)	Distance (m)		
3	10.0	9.14	10.0	7.46	10.0	6.58		
4	8.0	8.14	8.0	6.77	8.0	5.76		
5	13.0	8.74	13.0	12.74	13.0	7.71		
6	9.0	8.77	9.0	7.11	9.0	8.84		
7	11.0	9.26	11.0	7.81	11.0	8.47		
8	14.0	8.10	14.0	8.84	14.0	7.04		
9	6.0	6.13	6.0	6.08	6.0	5.25		
10	4.0	3.10	4.0	5.39	4.0	12.50		
11	12.0	9.13	12.0	8.15	12.0	5.56		
12	7.0	7.26	7.0	6.42	7.0	7.91		
13	5.0	4.74	5.0	5.73	5.0	6.89		