We all suffer from colds. Here is some data collected giving average virus levels in the blood of people exposed to a nasty cold virus.

Days since exposure	virus count (per cc)
0.0	0
0.5	207
1.0	436
1.5	620
2.0	869
2.5	955
3.0	1187
3.5	1312
4.0	1544
4.5	1645
5.0	1930
5.5	2605
6.0	3084
6.5	3565
7.0	5182
7.5	6341
8.0	5545
8.5	5124
9.0	3975
9.5	2920
10.0	2118
10.5	1088
11.0	496
11.5	259
12.0	104

The information in the T-table can be displayed as a graph by plotting ordered pairs.

(a)   What should be the association for the dependent (y) and independent (x) variables? Why?

(b)   Plot the data. Graph on back side.

(c)   As with most "real world" data, the data does not form a perfect line. Although the data does not create a perfect line, the data should "suggest" a set of lines. Divide the data into such sets and label them.   How many line segments have you created?

(d)   Interpret and describe what is physically occuring in each segment. Write the equation for each line segment of best fit.

Segment	A	B	C
Interpretation			
Equation			