Name _____**Date**_____**Pd**_____

UNIT I Worksheet 1: GRAPHING PRACTICE

For each data set below, determine the mathematical expression. To do this, first graph the original data. Assume the 1st column in each set of values to be the **independent** variable and the 2nd column the **dependent** variable. Using the slope and y-intercept of the straight-line graph, write an appropriate mathematical expression for the relationship between the variables. **Be sure to include units!**

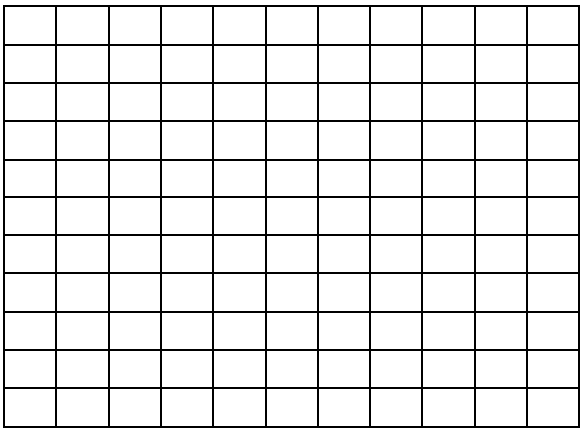
Data set 1

V (m^3)	P (pa)
0.1	29.8
0.5	28.8
1.0	27.6
2.0	25.1
4.0	20.2
5.0	17.8
8.0	10.4
10	5.5

Data set 2

A (months)	W (lbs)
0.1	0.03
0.2	0.06
0.5	0.15
1.0	0.32
2.0	0.55
3.0	0.90
4.0	1.26
5.0	1.43

1.

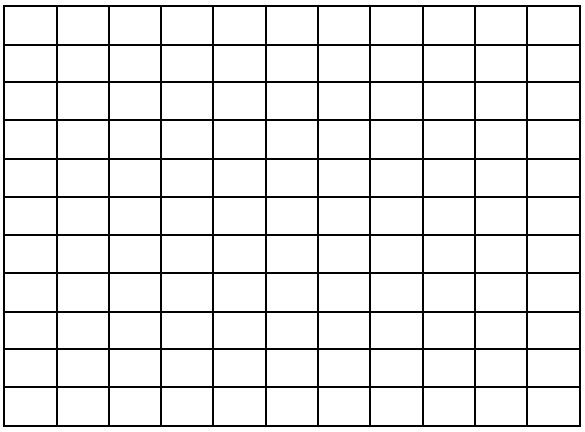


Slope with units: _____

Y- int with units: _____

Equation:_____

2.



Slope with units: _____

Y- int with units: _____

Equation:_____