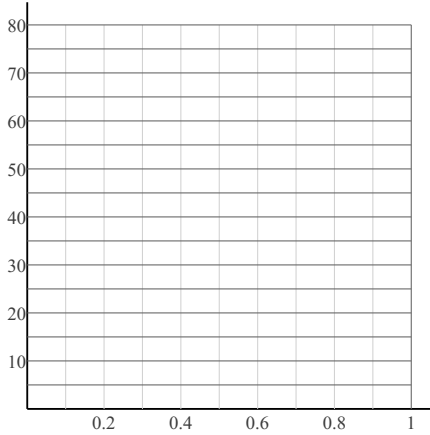


HW7.7 Lines of Best Fit

Construct a scatter plot. State if there appears to be a positive correlation, negative correlation, or no correlation. When there is a correlation, identify the relationship as linear, quadratic, or exponential. Also find the slope-intercept form of the equation of the line that best fits the data.

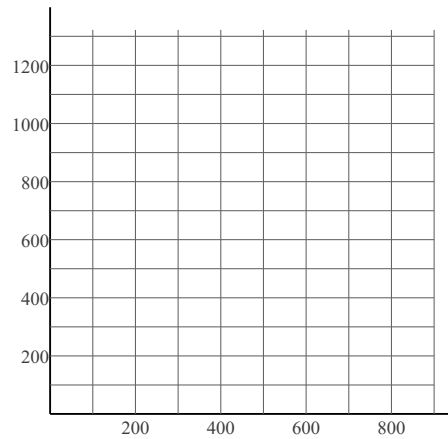
1)

X	Y	X	Y	X	Y
0.2	80	0.7	30	0.9	30
0.2	80	0.7	50	1	20
0.3	70	0.8	30	1	30
0.6	50				



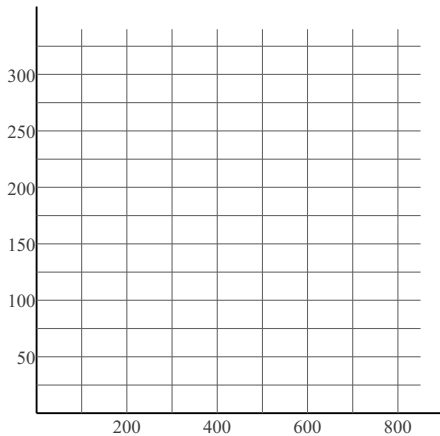
2)

X	Y	X	Y
100	1.7	500	32.9
100	1.7	600	69.5
300	6.8	700	185
300	7	800	306.2
400	14.6	900	1,321.1



3)

X	Y	X	Y
10	10	420	130
110	100	610	240
130	30	670	250
160	140	690	230
180	100	850	340



4)

X	Y	X	Y	X	Y
16	7	62	4	83	3
19	6	63	3	85	2
46	5	66	4	87	2
61	4				

