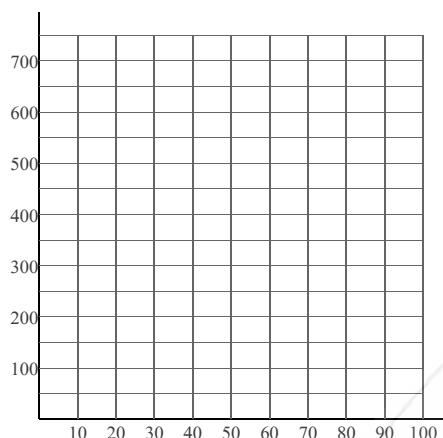


Construct a scatter plot. State if there appears to be a positive correlation, negative correlation, or no correlation. When there is a correlation, identify the relationship as linear or nonlinear. Also find the slope-intercept form of the equation of the line that best fits the data.

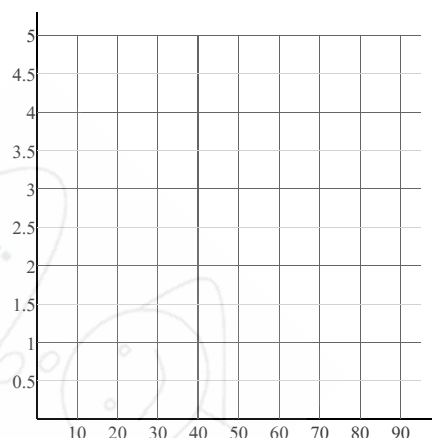
1)

X	Y	X	Y	X	Y
10	750	50	250	70	140
30	460	60	170	90	130
30	460	70	130	100	170
40	350				



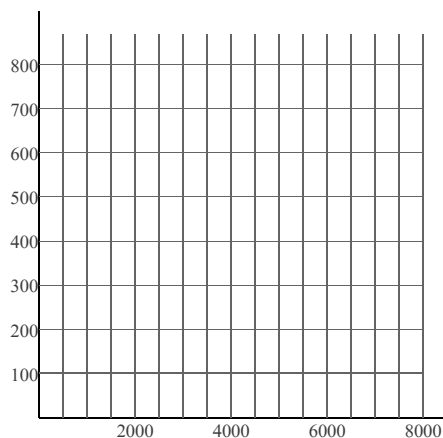
2)

X	Y	X	Y	X	Y
8	1	56	4	63	4
16	1	58	4	79	4
29	2	60	3	95	5
36	2				



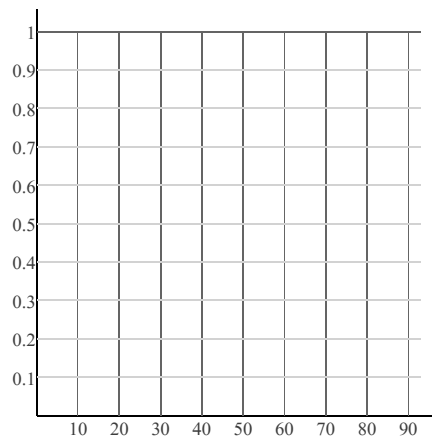
3)

X	Y	X	Y
1,000	170	7,000	120
1,000	850	7,000	280
3,000	180	7,000	620
6,000	650	7,000	870
6,000	780	8,000	730



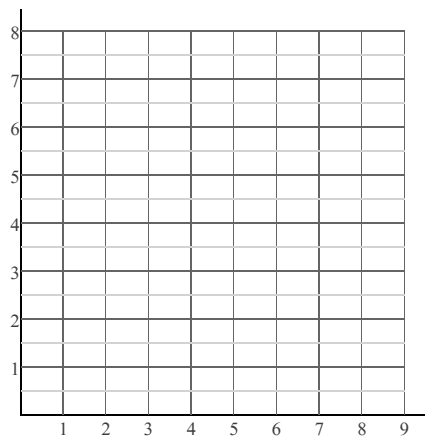
4)

X	Y	X	Y	X	Y
1	0.7	32	1	71	0.2
2	0.1	52	0.7	90	0.3
13	1	54	0.7	93	0.9
16	0.5				



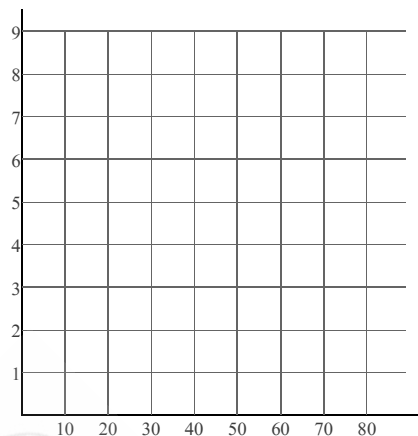
5)

X	Y	X	Y	X	Y	X	Y
2	4	5	4	6	8	8	6
3	6	6	4	7	1	9	5
3	6	6	4				



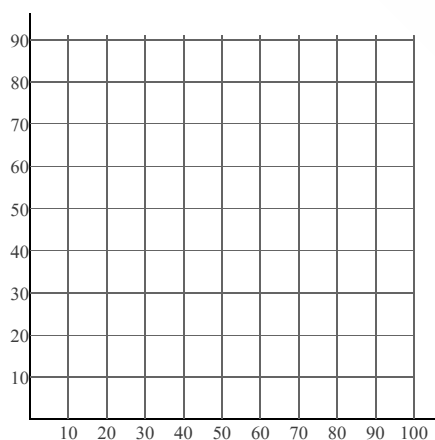
6)

X	Y	X	Y	X	Y
23	2.2	62	1.4	70	0.5
41	0.8	63	2.5	89	2.3
59	6.8	67	6.3	89	7.3
61	9				



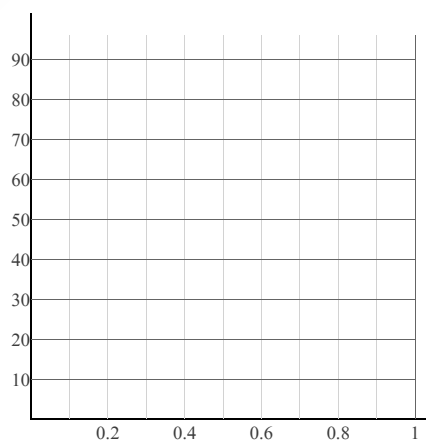
7)

X	Y	X	Y	X	Y
10	34	50	5	70	91
10	74	60	56	80	50
30	44	70	8	100	51
30	76				



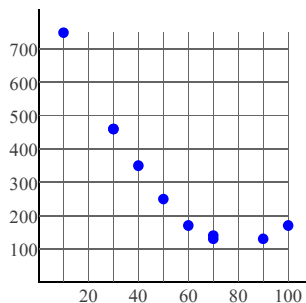
8)

X	Y	X	Y	X	Y
0.13	78	0.39	57	0.46	14
0.27	12	0.4	14	0.65	45
0.34	96	0.42	92	0.76	66
0.38	30				



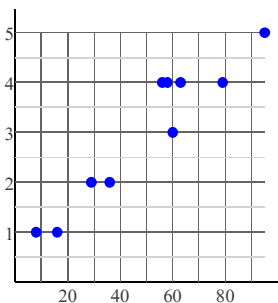
Answers to

1)



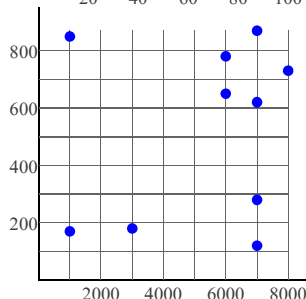
Negative correlation
Nonlinear
 $y = -6.3655x + 651.1$

2)



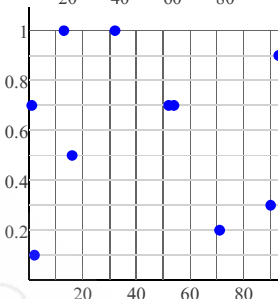
Positive correlation
Linear
 $y = 0.049028x + 0.54859$

3)



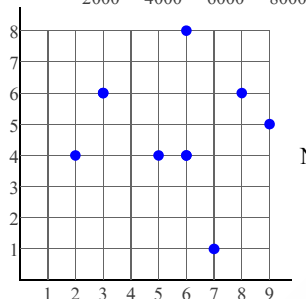
No correlation

4)



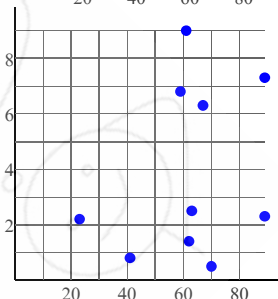
No correlation

5)



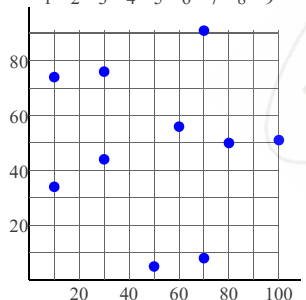
No correlation

6)



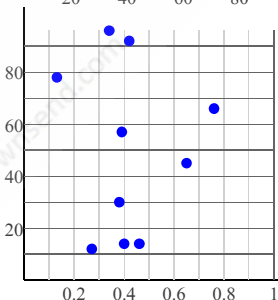
No correlation

7)



No correlation

8)



No correlation