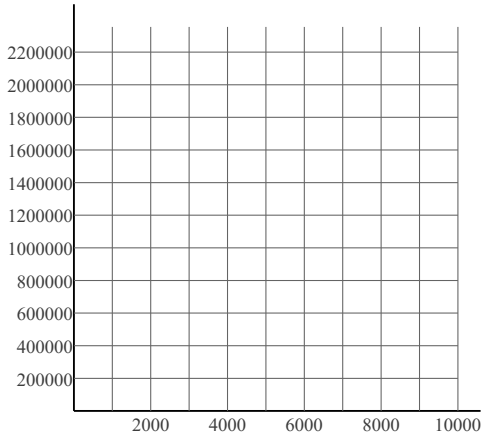


Extra Credit Scatter Plots

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.

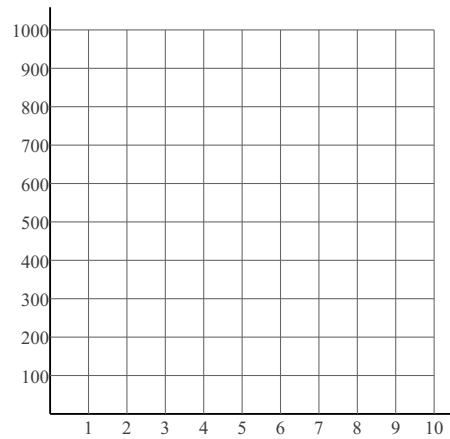
1)

X	Y
1,000	744,110
1,000	2,114,170
1,000	2,354,110
2,000	694,140
3,000	96,180
3,000	136,240
7,000	1,090
7,000	1,590
8,000	200
10,000	40



2)

X	Y	X	Y
0.6	560	2.5	1,000
1.1	570	8.4	350
1.5	270	9	640
1.9	70	9.9	240
2.3	900	10	770

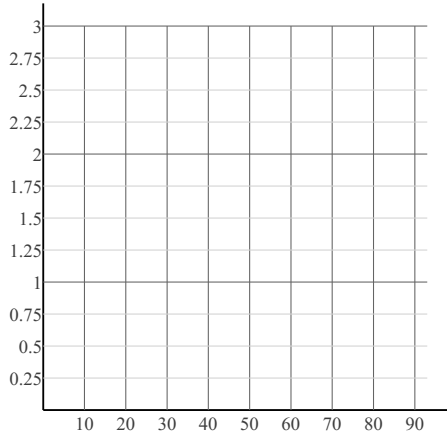


3)

X	Y
9	0.5
12	0.8
25	0.6
29	1

X	Y
39	1.5
55	1.4
67	1.5

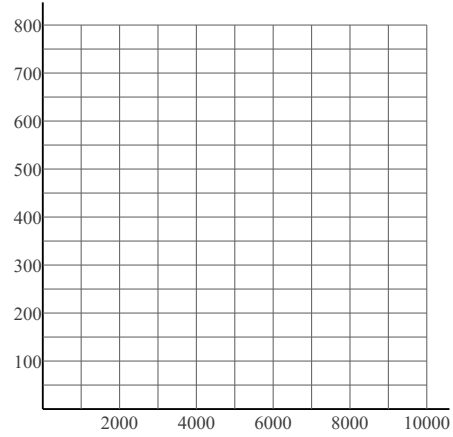
X	Y
79	1.9
88	2.2
93	1.8



4)

X	Y
1,000	800
3,000	500
4,000	300
5,000	300
5,000	300

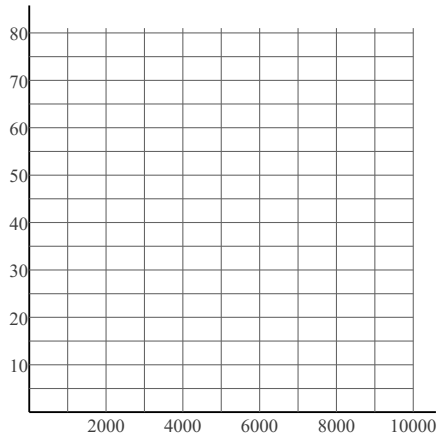
X	Y
6,000	200
7,000	200
9,000	200
9,000	200
10,000	200



5)

X	Y
1,000	49
3,000	3
4,000	74
5,000	25
5,000	59

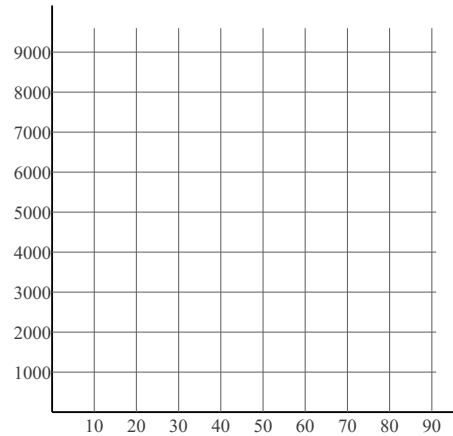
X	Y
6,000	75
8,000	14
9,000	64
9,000	81
10,000	45



6)

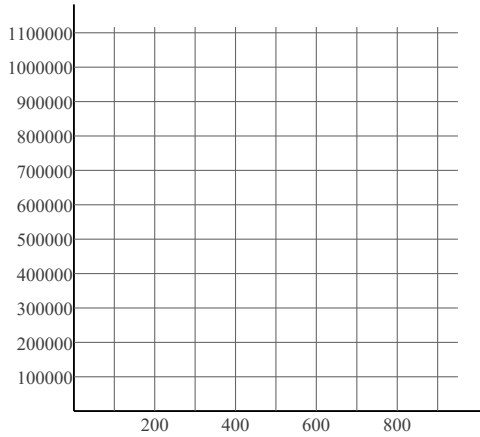
X	Y
12	1,900
13	5,200
43	300
44	7,900
48	4,800

X	Y
65	2,400
72	9,600
75	6,700
77	500
91	4,600



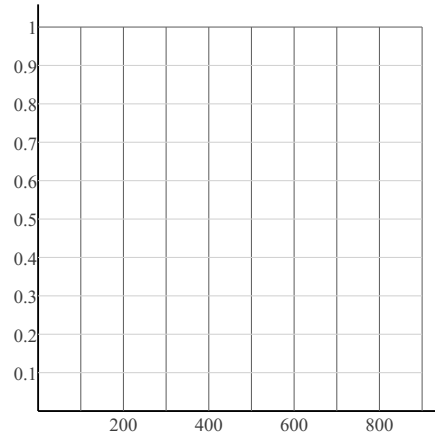
7)

X	Y	X	Y
20	1,116,296	500	2,276
60	657,165	680	203
120	293,433	760	77
230	75,375	840	27
330	19,714	950	6



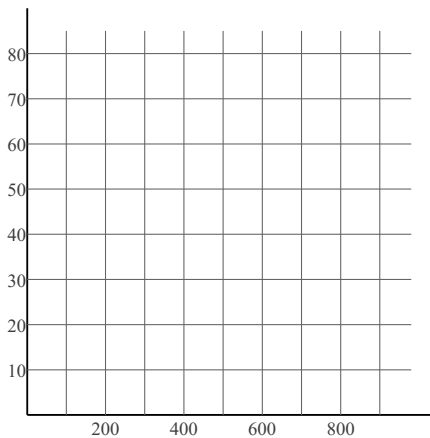
8)

X	Y	X	Y
100	0.44	700	0.2
100	0.52	800	0.18
200	0.45	900	0.12
300	0.4	900	0.15
300	0.5	900	0.18



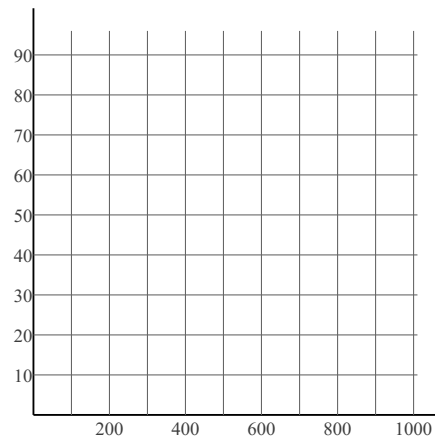
9)

X	Y	X	Y	X	Y
30	85	420	35	980	24
300	45	630	20	980	24
320	43	880	21	980	25
410	33				



10)

X	Y	X	Y	X	Y
160	41	540	55	660	67
230	72	620	57	800	96
250	65	650	23	1,010	36
390	12				

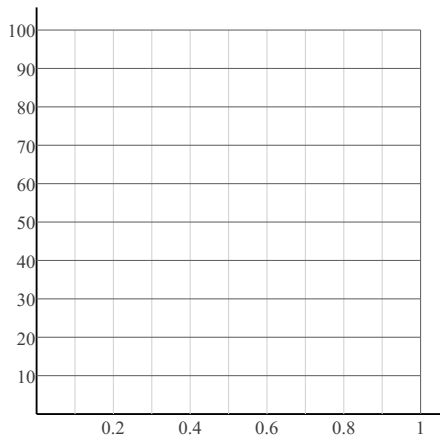


11)

X	Y
0.2	70
0.3	30
0.3	100
0.4	60

X	Y
0.5	30
0.5	80
0.7	100

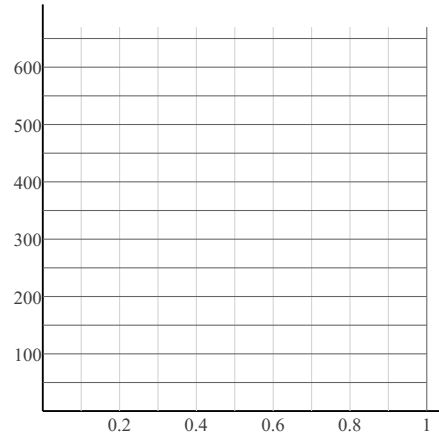
X	Y
0.8	50
0.8	60
0.9	40



12)

X	Y
0.03	220
0.04	670
0.07	490
0.17	570
0.18	240

X	Y
0.25	580
0.36	430
0.7	580
0.83	140
0.87	490

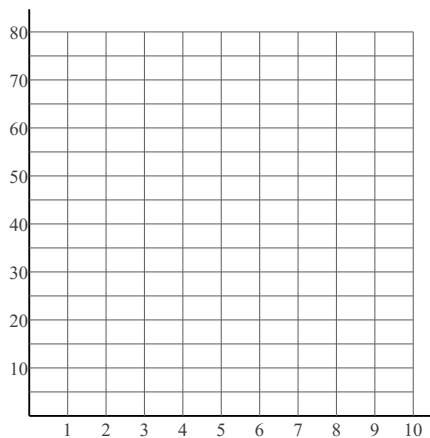


13)

X	Y
0.5	80
1.5	70
2.9	50
4.8	30

X	Y
5.1	30
5.8	20
6.2	20

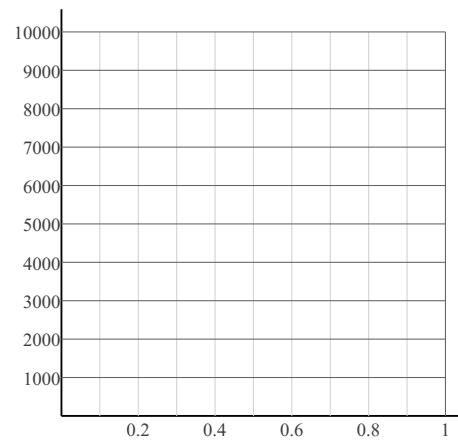
X	Y
6.2	20
9.5	20
9.8	20



14)

X	Y
0.18	1,400
0.18	2,100
0.27	4,100
0.29	7,600
0.47	6,700

X	Y
0.58	900
0.6	8,700
0.72	2,200
0.77	2,700
0.88	10,000

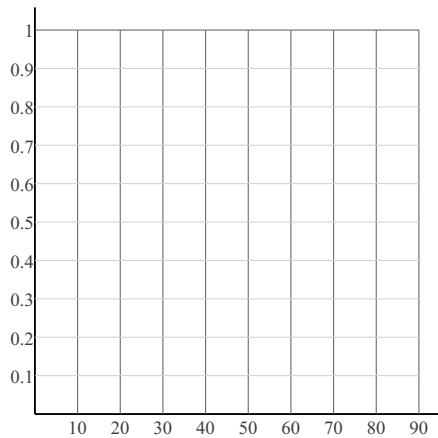


15)

X	Y
10	0.3
30	0.7
40	0.7
70	0.2

X	Y
70	0.4
80	0.1
80	0.4

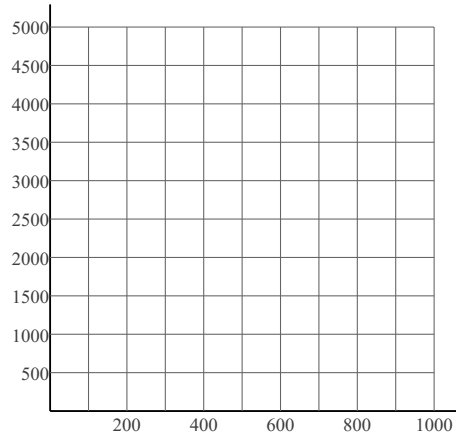
X	Y
80	0.5
90	0.5
90	0.7



16)

X	Y
100	5,000
100	5,000
200	4,000
300	4,000
500	3,000

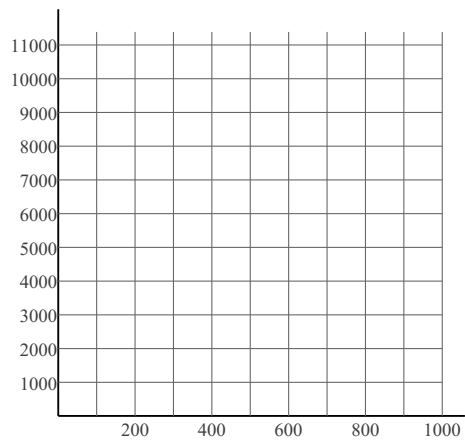
X	Y
700	2,000
800	2,000
900	1,000
1,000	1,000
1,000	1,000



17)

X	Y
100	11,386.5
300	253.7
400	116.6
600	9
700	2.1

X	Y
800	0.4
800	0.7
900	0.1
900	0.1
1,000	0.01

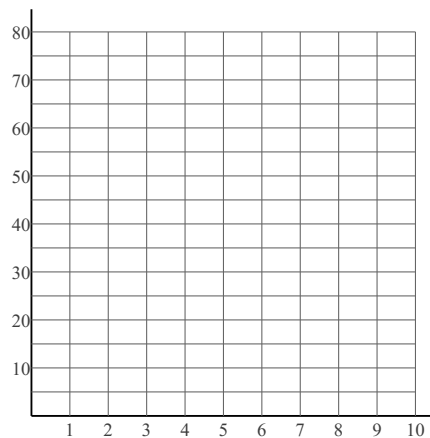


18)

X	Y
1	10
1	20
2	40
5	70

X	Y
6	70
6	80
6	80

X	Y
7	80
10	80
10	80

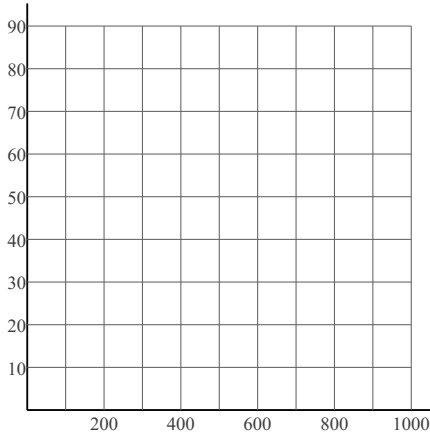


19)

X	Y
100	20
300	50
300	60
400	70

X	Y
500	80
600	90
700	90

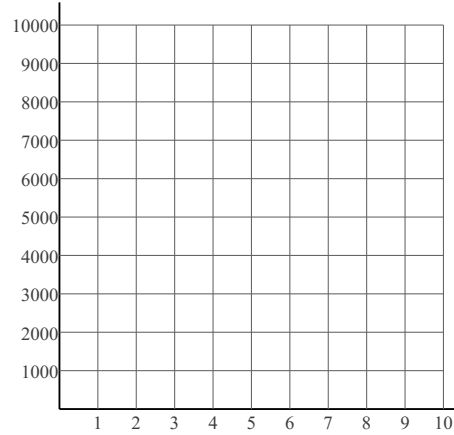
X	Y
800	90
1,000	80
1,000	80



20)

X	Y
0.2	10,000
1.9	5,000
1.9	8,000
2.5	3,000
3.7	9,000

X	Y
4.6	5,000
4.7	8,000
6.5	9,000
7.9	10,000
9.1	5,000

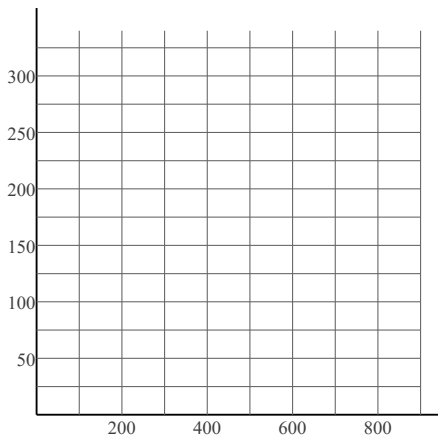


Construct a scatter plot. Find the slope-intercept form of the equation of the line that best fits the data.

21)

X	Y
200	90
300	90
500	220
700	240
700	250

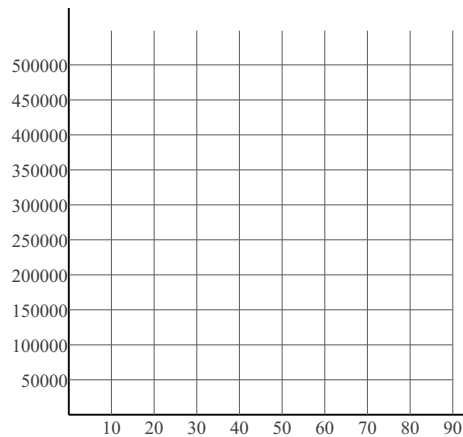
X	Y
700	310
800	270
800	300
900	340
900	340



22)

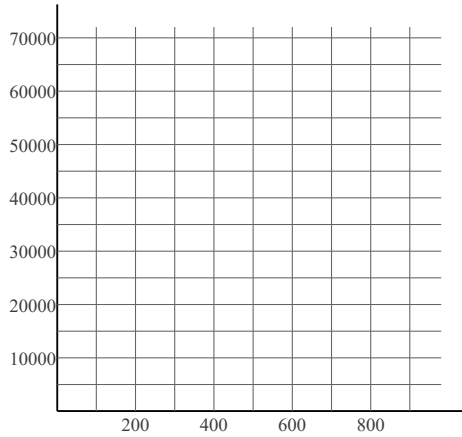
X	Y
10	70
10	100
30	670
30	960
60	14,760

X	Y
60	16,880
60	21,310
80	105,450
80	121,440
90	548,750



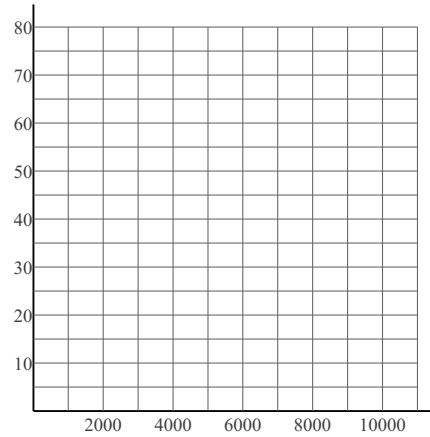
23)

X	Y	X	Y
40	72,024.2	280	3,338.2
70	45,711.7	620	47.5
110	27,590.6	760	8.1
150	17,211.8	780	6.4
160	15,427.3	980	0.5



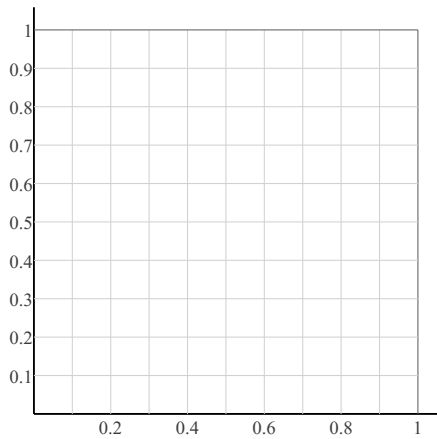
24)

X	Y	X	Y
1,000	20	5,000	40
2,000	20	5,000	50
3,000	30	6,000	50
3,000	40	8,000	60
3,000	40	11,000	80



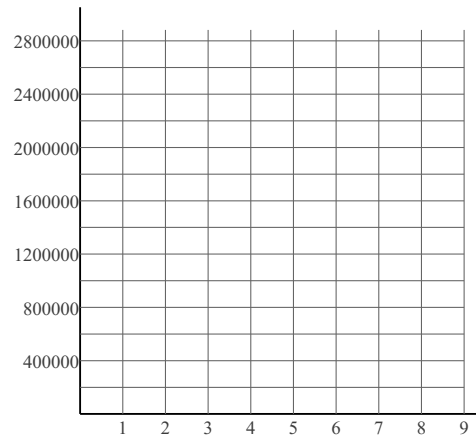
25)

X	Y	X	Y
0.04	0.8	0.41	0.3
0.19	0.5	0.51	0.2
0.31	0.4	0.61	0.2
0.37	0.3	0.93	0.2
0.41	0.3	0.99	0.2



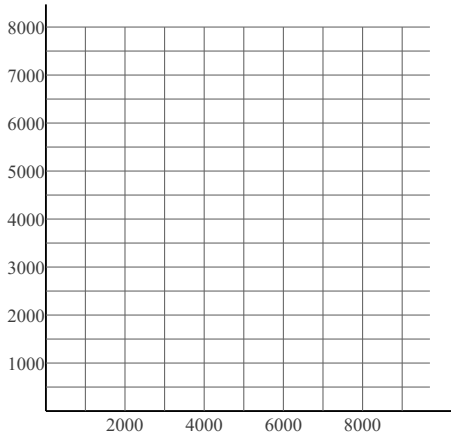
26)

X	Y	X	Y
1	1,000	8	858,000
3	8,000	8	922,000
5	50,000	8	1,170,000
7	266,000	9	2,717,000
8	831,000	9	2,882,000



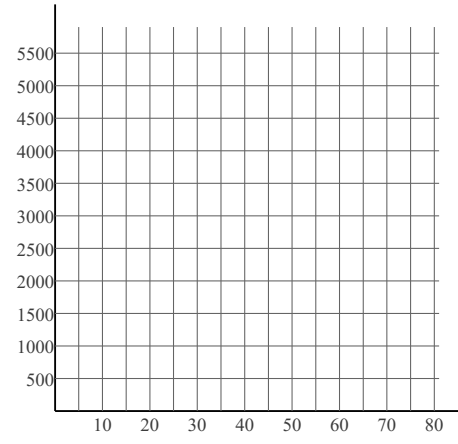
27)

X	Y	X	Y
200	8,000	7,200	4,000
500	8,000	7,400	4,000
4,500	6,000	8,000	4,000
5,100	5,000	9,400	2,000
5,900	5,000	9,700	3,000



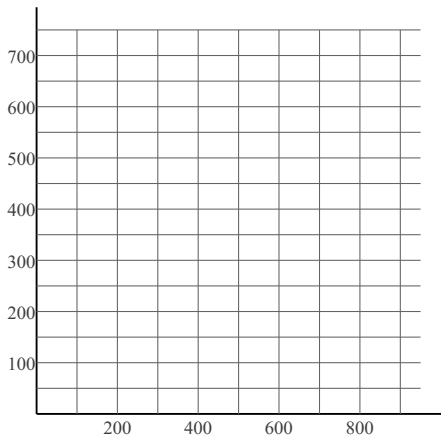
28)

X	Y	X	Y
7	5,900	63	3,100
16	5,600	69	2,900
30	5,200	79	1,600
38	4,400	79	2,600
51	3,900	81	1,800



29)

X	Y	X	Y
60	750	600	430
90	690	630	360
100	700	650	370
470	490	890	200
530	470	950	180



30)

X	Y	X	Y	X	Y
1	0.7	6	0.2	7	0.3
3	0.3	6	0.2	9	0.5
4	0.2	7	0.2	9	0.7
5	0.2				

