

Correlation

Date _____ Period _____

Construct a scatter plot. State if there appears to be a positive correlation, negative correlation, or no correlation. When there is a correlation, find the slope-intercept form of the equation of the line that best fits the data and its r value.

1)

X	Y	X	Y
0.1	3,193,400	3.7	58,900
0.6	1,962,600	6.4	3,000
1.3	833,700	6.7	2,000
1.8	485,100	9.2	100
2.5	228,200	9.7	100

2)

X	Y	X	Y	X	Y
0.2	900	5	200	6.9	100
2.2	600	6.3	200	9.5	100
2.9	500	6.6	200	9.8	200
4.6	300				

3)

X	Y	X	Y	X	Y
16	200	77	500	89	600
49	400	80	500	97	600
56	400	81	500	99	700
72	500				

4)

X	Y	X	Y
2.6	6,100	5.3	4,300
4.1	4,800	5.6	4,300
4.3	5,200	7.5	2,900
4.4	4,500	7.8	2,700
5.2	4,300	10.1	1,500

5)

X	Y	X	Y	X	Y
1	200	4	600	6	800
2	400	4	700	9	800
3	500	6	800	10	800
4	600				

6)

X	Y	X	Y
0.1	110	0.6	54,540
0.2	570	0.7	122,490
0.2	760	0.8	351,910
0.3	1,140	0.9	1,580,850
0.4	2,670	0.9	2,125,600

7)

X	Y	X	Y	X	Y
1	0.5	4	1.4	6	2.3
2	0.8	4	1.5	7	2.7
3	1	6	1.9	8	2.7
3	1.4				

8)

X	Y	X	Y
0.1	2,391,400	0.7	7,000
0.2	703,100	0.7	10,200
0.3	342,300	0.7	10,700
0.4	221,800	0.8	5,300
0.5	51,400	1	900

9)

X	Y	X	Y	X	Y
20	10	460	20	910	34
80	11	460	23	910	34
110	14	620	26	980	37
460	19				

10)

X	Y	X	Y	X	Y
20	9	390	4	970	2
180	6	650	2	980	2
290	5	700	1	990	1
320	4				

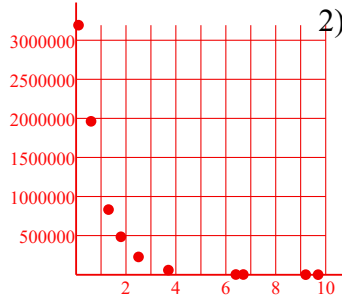
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X	Y
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0.6	1,962,600
1.3	833,700
1.8	485,100
2.5	228,200

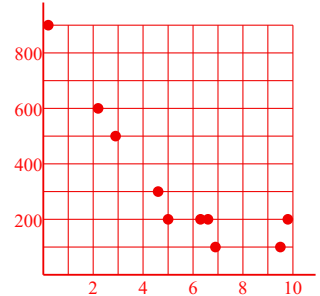
X	Y
3.7	58,900
6.4	3,000
6.7	2,000
9.2	100
9.7	100



2)

X	Y
0.2	900
2.2	600
2.9	500
4.6	300

X	Y
5	200
6.3	200
6.6	200
9.8	200

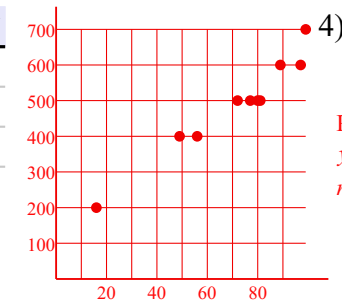


3)

X	Y
16	200
49	400
56	400
72	500

X	Y
77	500
80	500
81	500
99	700

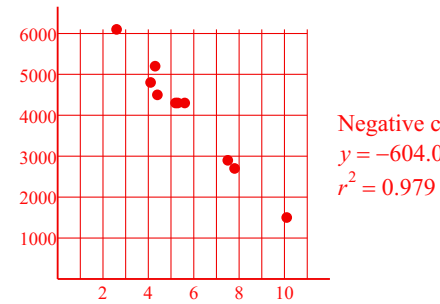
X	Y
89	600
97	600
99	700



4)

X	Y
2.6	6,100
4.1	4,800
4.3	5,200
4.9	4,500
5.2	4,300

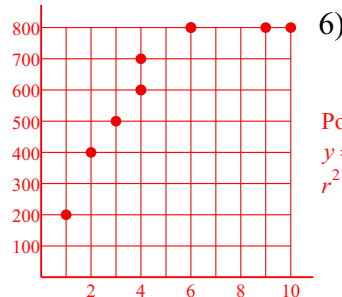
X	Y
5.3	4,300
5.6	4,300
7.5	2,900
7.8	2,700
10.1	1,500



5)

X	Y
1	200
2	400
3	500
4	600

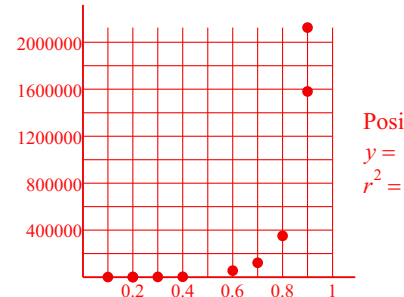
X	Y
4	600
6	800
9	800
10	800



6)

X	Y
0.1	110
0.2	570
0.2	760
0.3	1,140
0.4	2,670

X	Y
0.6	54,540
0.7	122,490
0.8	351,910
0.9	1,580,850
0.9	2,125,600

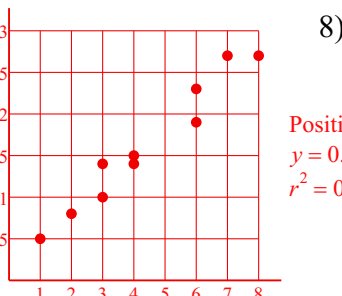


7)

X	Y
1	0.5
2	0.8
3	1
3	1.4

X	Y
4	1.4
4	1.5
6	1.9

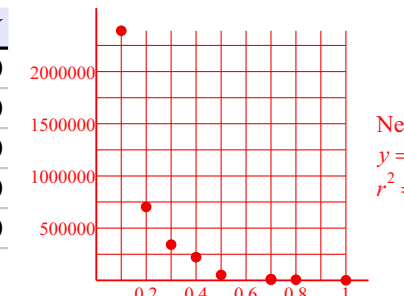
X	Y
6	2.3
7	2.7
8	2.7



8)

X	Y
0.1	2,391,400
0.2	703,100
0.3	742,300
0.4	221,800
0.5	51,400

X	Y
0.7	7,000
0.7	10,200
0.7	10,700
0.8	5,300
1	900

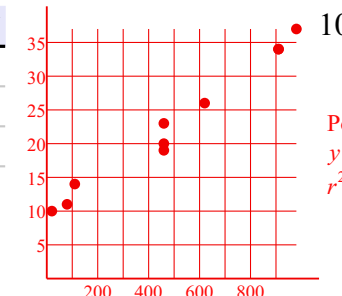


9)

X	Y
20	10
80	11
110	14
460	19

X	Y
460	20
460	23
620	26

X	Y
910	34
910	34
980	37



10)

X	Y
20	9
180	6
390	4
650	2
790	1
990	1

X	Y
970	2
980	2
990	1

