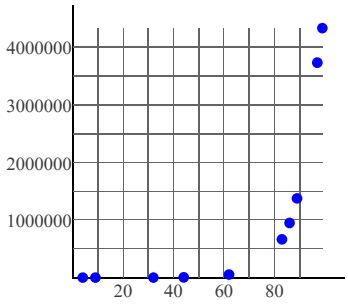
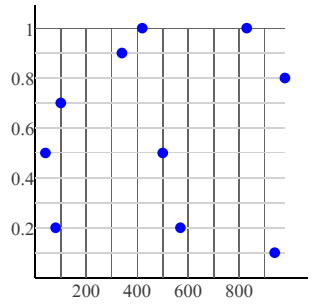
 Name_____

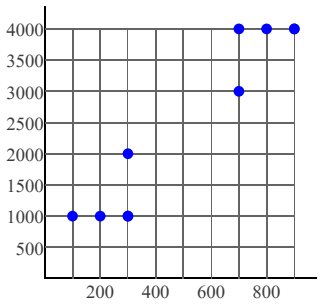
Scatter Plots

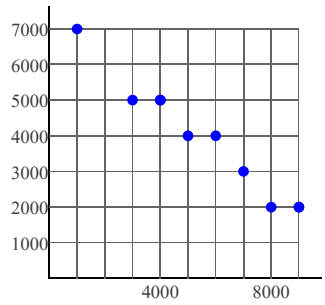
Date_____ Period____

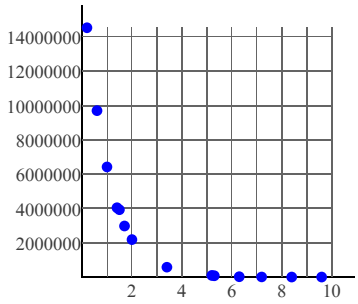
State if there appears to be a positive correlation, negative correlation, or no correlation. When there is a correlation, identify the relationship as linear or nonlinear.

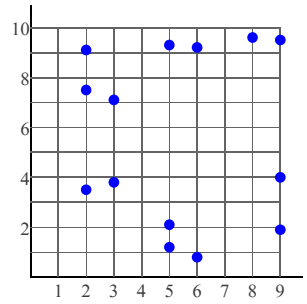
1) 

2) 

3) 

4) 

5) 

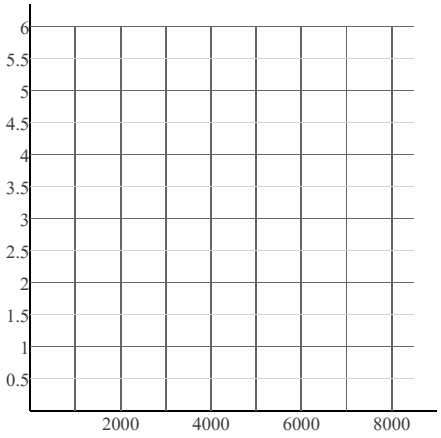
6) 

Construct a scatter plot.

7)

X	Y
300	1
800	1
1,100	2
1,600	2
1,700	2

X	Y
1,800	3
3,400	3
4,700	4
6,000	4
8,500	6

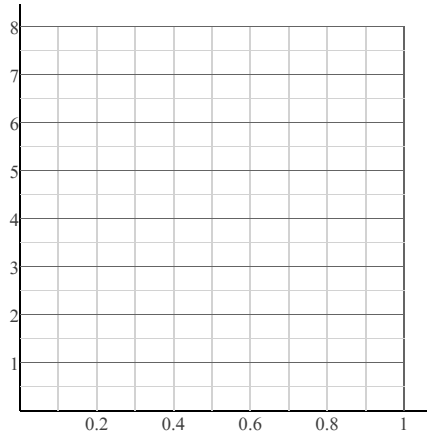


8)

X	Y
0.1	7.5
0.1	7.6
0.3	4.5
0.4	3.2

X	Y
0.4	3.3
0.6	1.4
0.6	1.7

X	Y
0.6	1.8
0.9	1.5
1	1.7



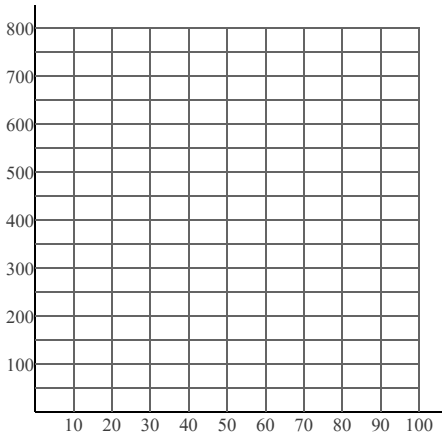
Construct a scatter plot. Find the slope-intercept form of the equation of the line that best fits the data.

9)

X	Y
10	700
10	800
30	400
30	500

X	Y
40	300
60	200
70	100

X	Y
70	100
80	100
100	200

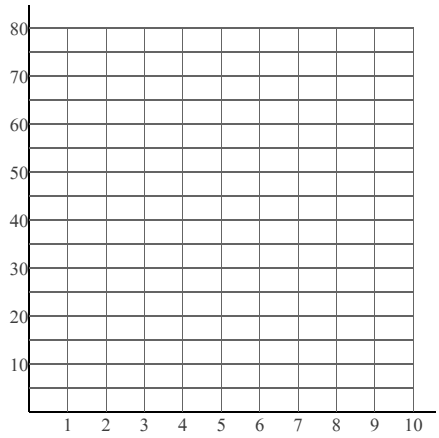


10)

X	Y
1	20
2	40
3	50
4	60

X	Y
5	70
6	80
7	80

X	Y
7	80
9	80
10	80

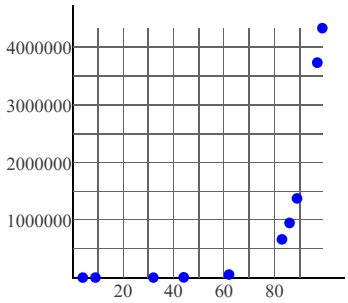


Kuta Software - Infinite Pre-Algebra Name_____

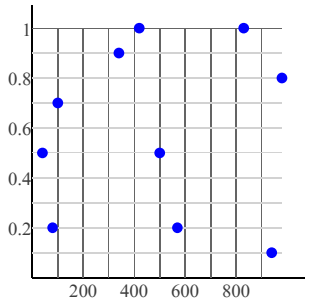
Scatter Plots

Date_____ Period____

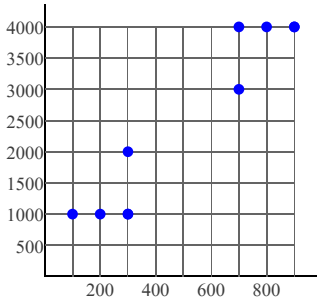
State if there appears to be a positive correlation, negative correlation, or no correlation. When there is a correlation, identify the relationship as linear or nonlinear.

1) 

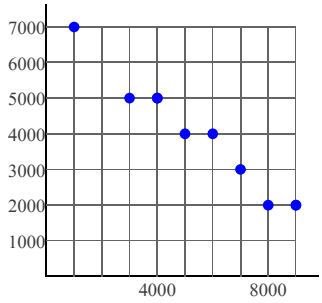
Positive correlation
Nonlinear

2) 

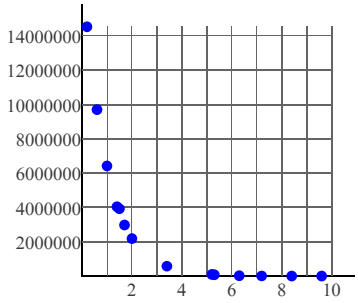
No correlation

3) 

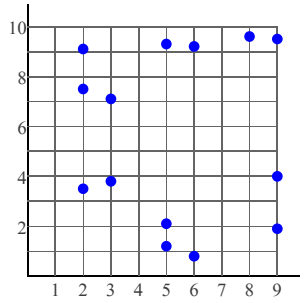
Positive correlation
Linear

4) 

Negative correlation
Linear

5) 

Negative correlation
Nonlinear

6) 

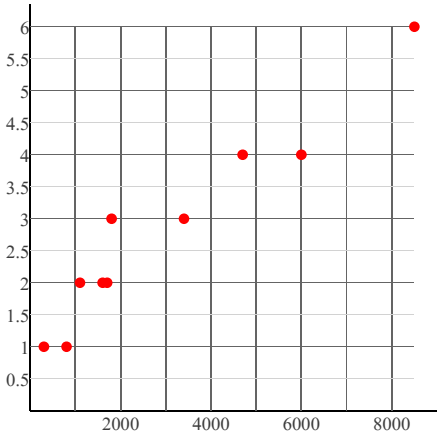
No correlation

Construct a scatter plot.

7)

X	Y
300	1
800	1
1,100	2
1,600	2
1,700	2

X	Y
1,800	3
3,400	3
4,700	4
6,000	4
8,500	6



8)

X	Y
0.1	7.5
0.1	7.6
0.3	4.5
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X	Y
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X	Y
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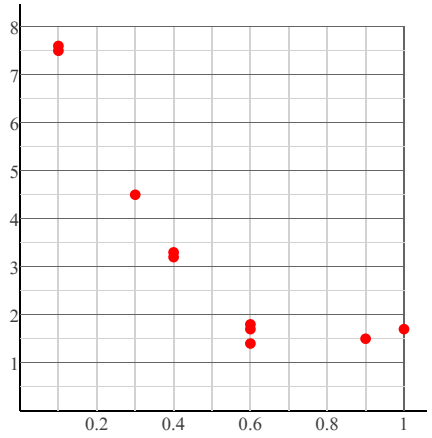

Construct a scatter plot. Find the slope-intercept form of the equation of the line that best fits the data.

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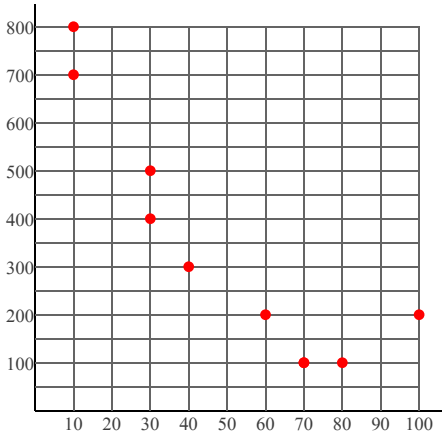
X	Y
10	700
10	800
30	400
30	500

X	Y
40	300
60	200
70	100

X	Y
70	100
80	100
100	200



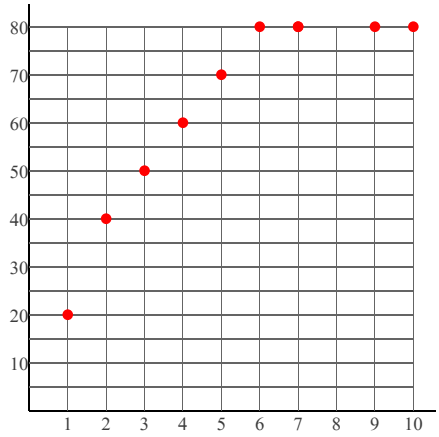
$y = -7.381x + 709.05$

10)

X	Y
1	20
2	40
3	50
4	60

X	Y
5	70
6	80
7	80

X	Y
7	80
9	80
10	80



$y = 6.4286x + 29.286$