

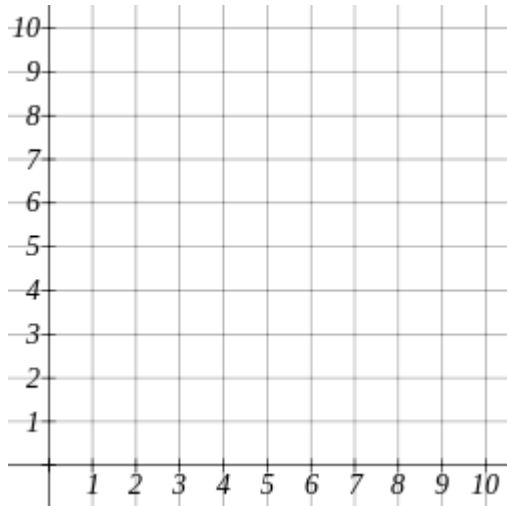
Grade 8 Math Data Scatter Plots Practice 2

Name :

Class :

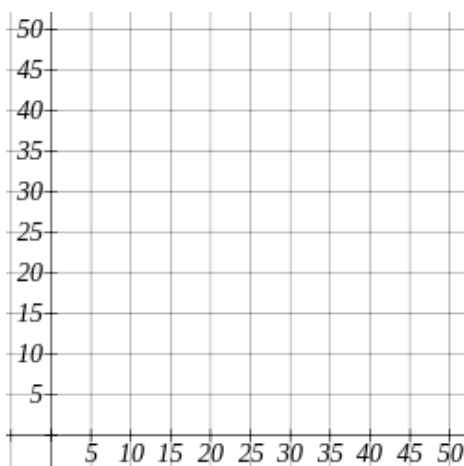
Date :

1) Construct a scatter plot for the data about Math and English test scores for a group of students given below. [1]



Math	English
3	6
1	4
8	5
2	3
7	8

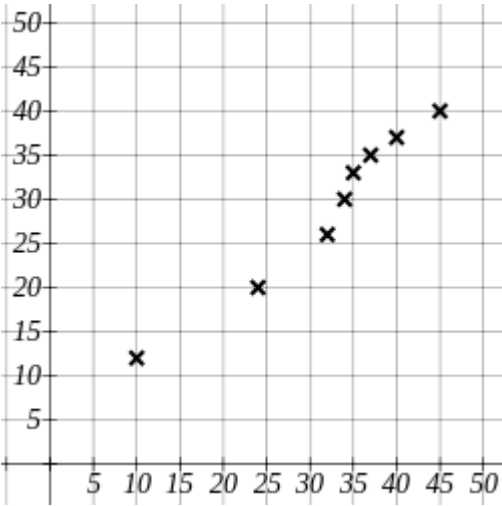
2) Construct a scatter plot **and** draw a line of best fit for the quiz scores for 8 students in a class. [1]



1st quiz	2nd Quiz
29	21
31	29
36	30
37	36
39	39
40	40
41	40
42	42

3) Draw a line of best fit for the quiz scores for 8 students in a class.

[1]



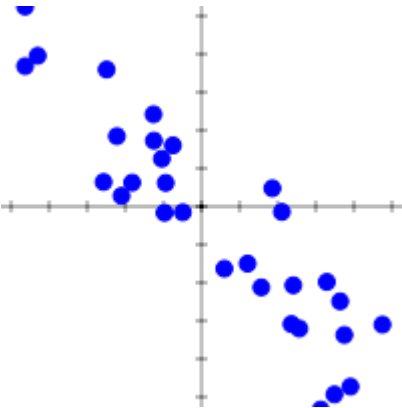
1st quiz	2nd Quiz
10	12
24	20
32	26
34	30
35	33
37	35
40	37
45	40

Describe the correlation shown in the scatterplot using 4 words from the list below.

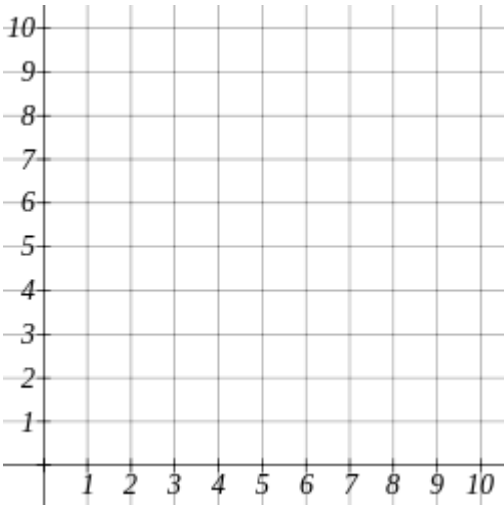
weak strong positive negative correlation linear nonlinear

4) Here is a scatter plot for a set of bivariate data. Draw a line of best fit.

[1]

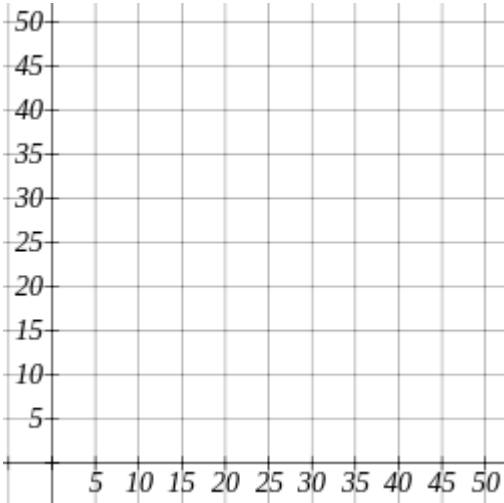


5) Construct a scatterplot for the data about Maths and English test scores for a group of students given below. [1]



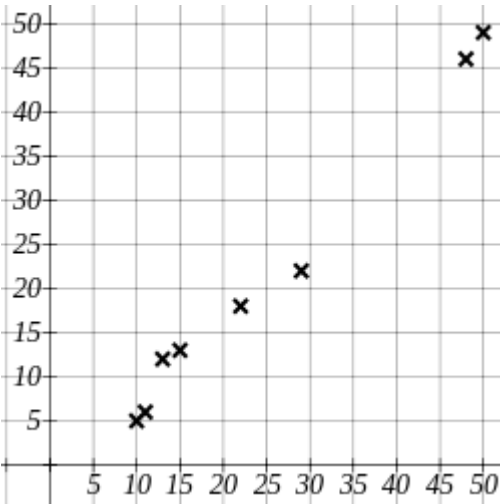
Maths	English
7	7
3	1
5	2
2	5
6	3

6) Construct a scatterplot **and** draw a line of best fit for the quiz scores for 8 students in a class. [1]



1st quiz	2nd Quiz
14	16
28	22
34	33
36	35
43	38
45	39
46	43
49	43

7) Plot the mean point ($\bar{x}$, $\bar{y}$) and draw a line of best fit for the quiz scores for 8 students in [1] a class.



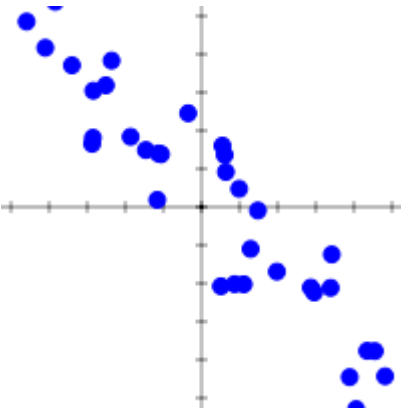
1st quiz	2nd Quiz
10	5
11	6
13	12
15	13
22	18
29	22
48	46
50	49

Describe the correlation shown in the scatterplot using 3 words from the list below.

weak strong positive negative correlation

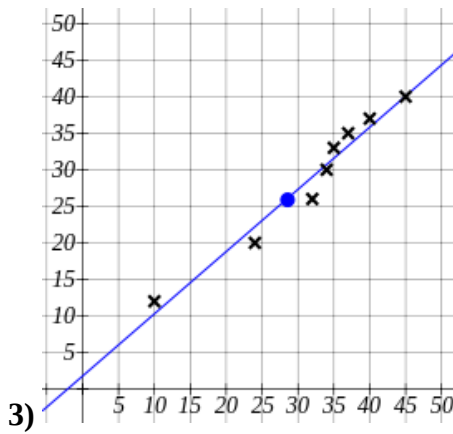
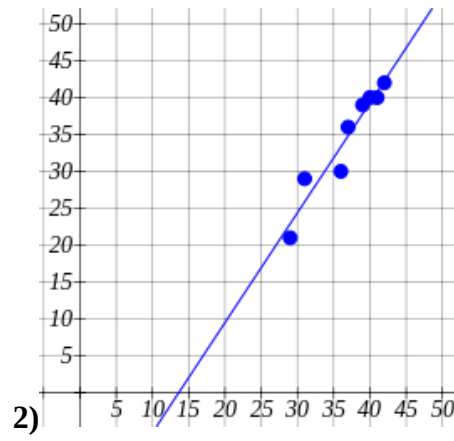
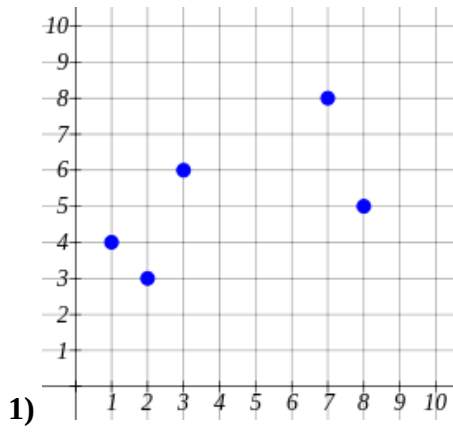
8) Here is a scatter plot for a set of bivariate data.

[1]

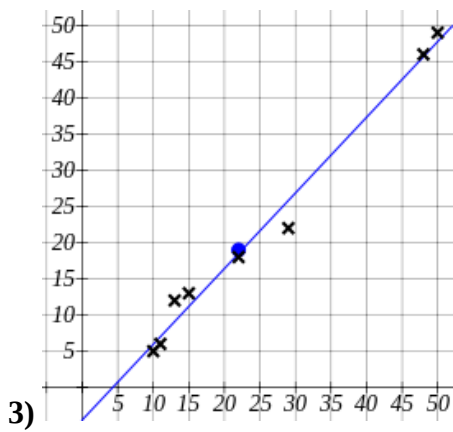
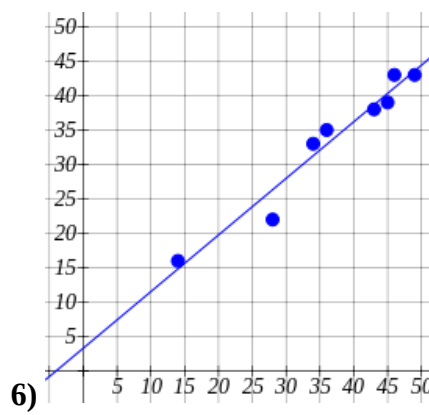
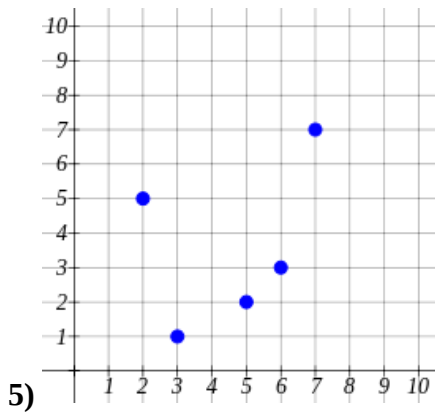


Describe the correlation shown in the scatterplot using 3 words from the list below.

weak strong positive negative correlation



Strong positive linear correlation
 4) strong negative linear correlation



Strong positive Linear Correlation
 4) strong negative linear correlation