QUIZIZZ **Worksheets**

Scatter Plots

Total questions: 20

Worksheet time: 1hrs 8mins

Instructor name: Mrs. Suzanne Rada-Yates

Name

Class

Date

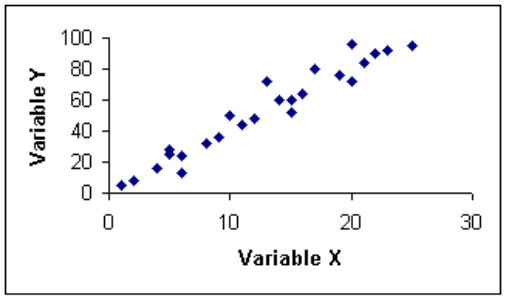
1. What is a scatter plot?

a) A graph that shows data changing over time.

b) A graph that shows the relationship of two data sets.

c) A graph that shows information that is connected in some way.

d) A graph drawn using rectangular bars to show how large each value is.

2. 

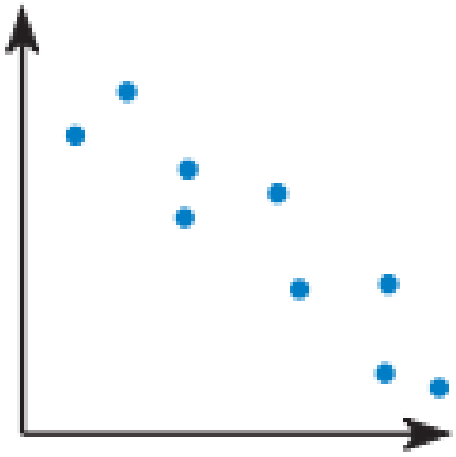
What type of correlation does this graph have?

a) positive

b) negative

c) none

d) all of the above



3.

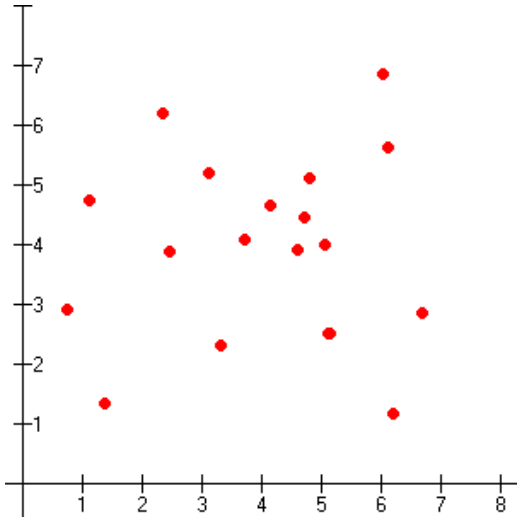
Which relationship could be represented by this scatter plot?

a) As the speed of a car increases, the distance the car travels increases.

b) As the population of a city increases, the number of schools in the city increases.

c) As the number of daylight hours increases, the number of night hours decreases.

d) As the number of muffins in a box increases, the price increases.



4.

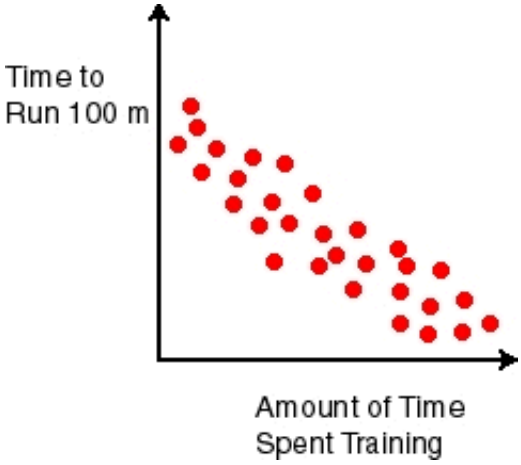
What type of correlation does this graph have?

a) positive

b) no association

c) Negative

5.



What type of correlation does this scatter plot show?

a) nonlinear association

b) positive linear association

c) no association

d) negative linear association

6. If a scatterplot has no association then...

a) ...if it makes a lion on a graph (roar!)

b) ...it has ordered pairs that have a negative pattern

c) ...its ordered pairs have no predictable pattern

d) ...it has no ordered pairs

7. In a scatterplot, an outlier...

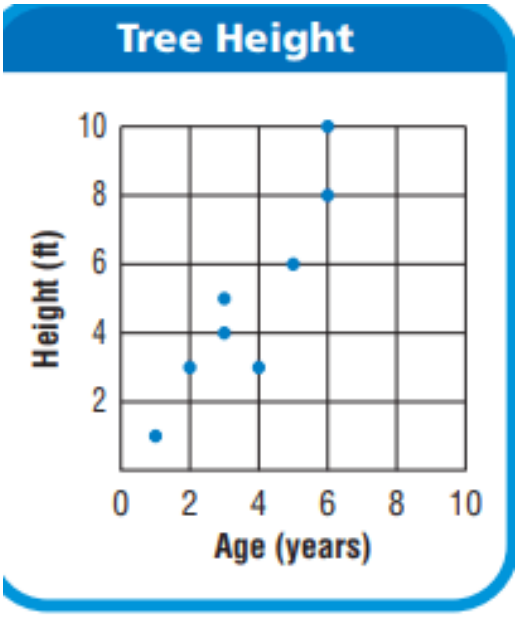
a) ...is a really naughty point who doesn't tell the truth when outside

b) ...is a puppet with a long nose named Pinocchio

c) ...is something we didn't learn 8th grade

d) ...is a point that is far outside the main cluster of points/ordered pairs

8.



What is the age of the tree that is 8 feet tall?

a) 6 Years

b) 7 Years

c) 9 Years

d) 8 Years

9. JoBeth draws a scatter plot that shows as the outside temperature increases, sales at her lemonade stand increase. Which best describes the scatter plot?

a) The points show that as x-values increase, y-values decrease.

b) The points show that as x-values decrease, y-values increase.

c) The points show that as x-values decrease, y-values stay the same.

d) The points show that as x-values increase, y-values increase.

10. Which of the following best describes a scatter plot that shows no relationship between the x-values and the y-values?

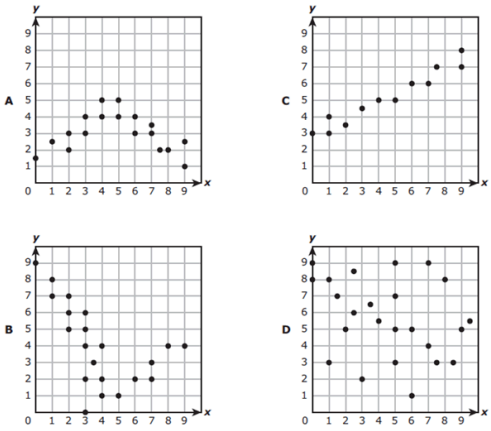
a) The points are scattered around the graph.

b) As x-values decrease, the points are higher on the graph.

c) As x-values increase, the points are higher on the graph.

d) The points form a horizontal line.

11.



Which scatter plot shows a linear relationship between x and y?

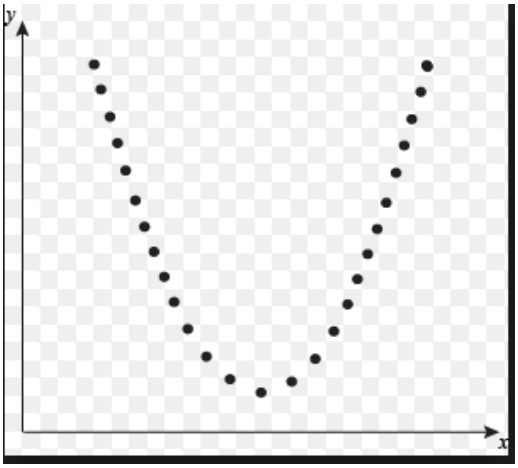
a) Graph B

b) Graph A

c) Graph C

d) Graph D

12.



What type of association does this scatter plot represent?

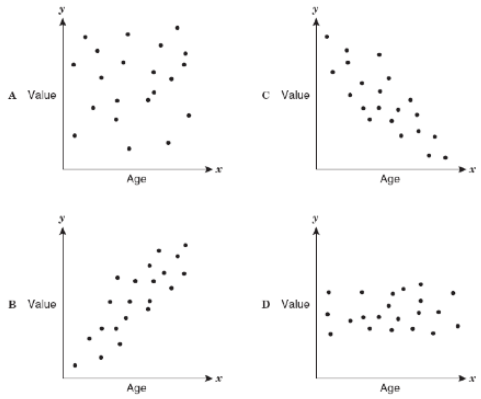
a) positive linear association

b) negative association

c) no association

d) nonlinear association

13.



As the age of the car increases, its value decreases. Which scatterplot represents this relationship?

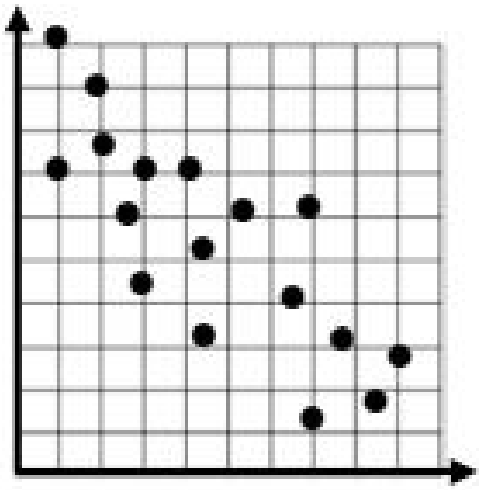
a) B

b) C

c) D

d) A

14.

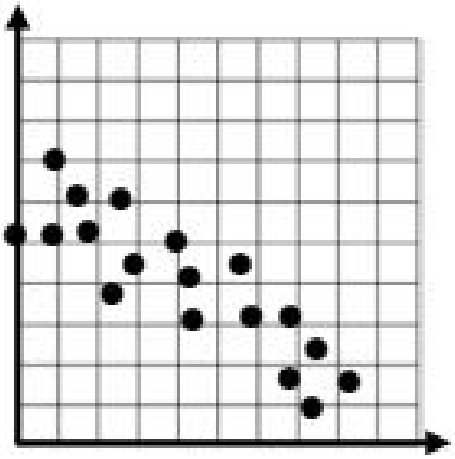


Label the type of association shown by the scatter plot as positive, negative or none.

a) none

b) negative

c) positive

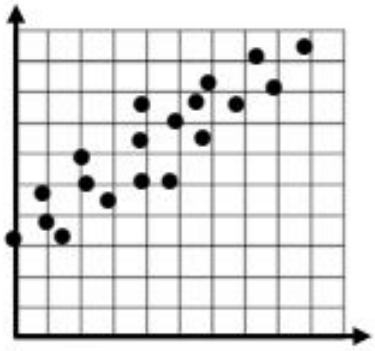
15. 

Label the type of association shown by the scatter plot as positive, negative or none.

a) positive

b) none

c) negative

16. 

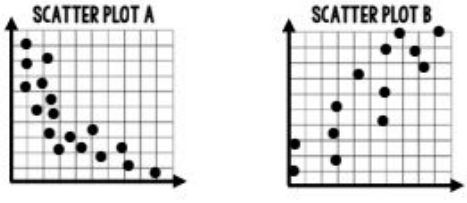
Which best describes the association shown in the scatter plot below?

a) Negative and linear

b) Positive and non-linear

c) Negative and non-linear

d) Positive and linear

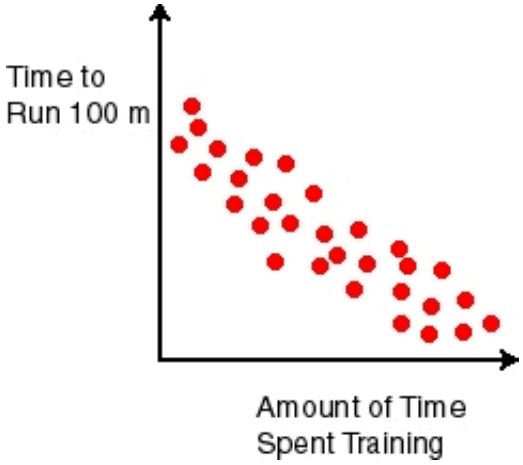
17. 

Which scatter plot appears to be linear?

a) Scatter plot A

b) Scatter plot B

18.



What type of association does this scatter plot show?

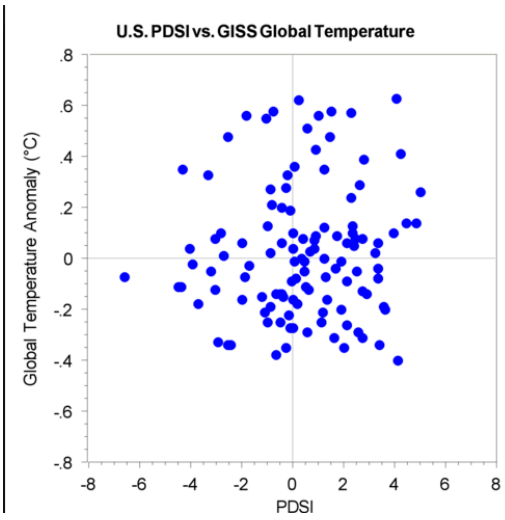
a) no association

b) negative linear association

c) positive linear association

d) nonlinear association

19.



What type of association does this scatter plot represent?

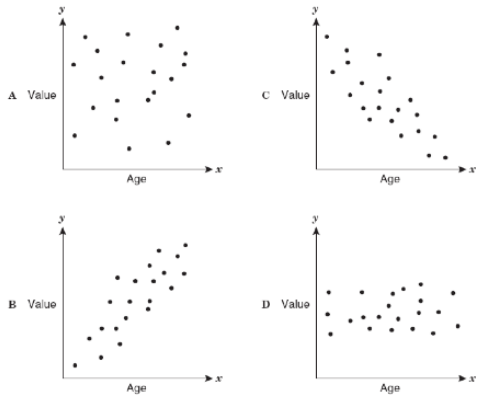
a) positive linear association

b) negative linear association

c) nonlinear association

d) no association

20.



As the age of the car increases, its value decreases. Which scatterplot represents this relationship?

a) C

b) A

c) B

d) D