

Name _____

Date _____

Analyzing Plotted Functions - Guided Lesson Explanation

For all these problems we need to start with a line of best fit and see what trend we can interpret:

A scatter plot shows a positive trend if y tends to increase as x increases.

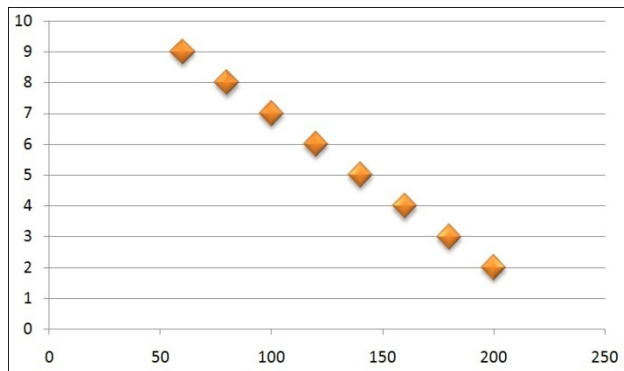
A scatter plot shows a negative trend if y tends to decrease as x increases.

A scatter plot shows no trend if there is no obvious pattern.

Explanation#1

We will look at the scatter plot. As x increases, y tends to decrease.

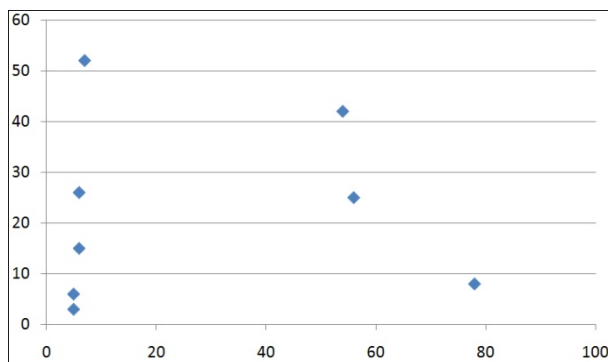
Then we draw the line that best fits the data and notice that this line has a negative slope.



This scatter plot shows a negative trend.

Explanation#2

We will look at the scatter plot. And this is a scatter plot shows no trend that there is no obvious pattern.



This scatter plot shows no trend.



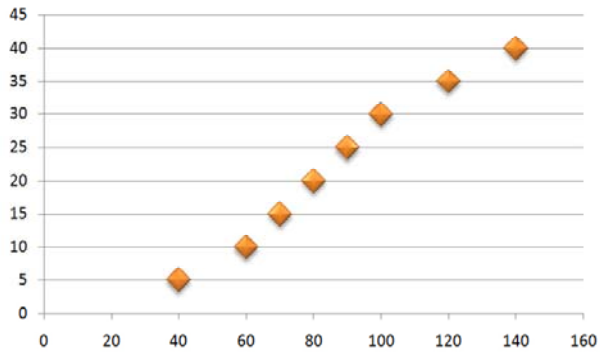
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Explanation#3

We will look at the scatter plot. As x increases, y tends to increase.

Then we draw the line that best fits the data and notice that this line has a positive slope.



This scatter plot shows a positive trend.

