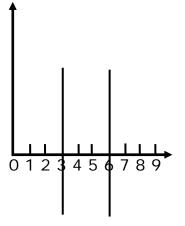
Name _____

Date _____

Analyzing Functional Relationships by Graphing - Guided Lesson Explanation

Explanation#1

We can plot this function in graph.



Since there is no value for y, they are just vertical linear graphs at those x values.

Explanation#2

We calculate the rate of change by determining the slope.

Rate of change = $\frac{14-10}{2-1} = 4$ Rate of change = $\frac{16-14}{3-2} = 2$ Rate of change = $\frac{25-16}{4-3} = 9$

The rate of change is not constant. So it is a non-linear function.

Explanation#3

This one might be a little too easy! The word "linear" is synonymous with the word "line". It is a linear graph because it is a straight line.

