



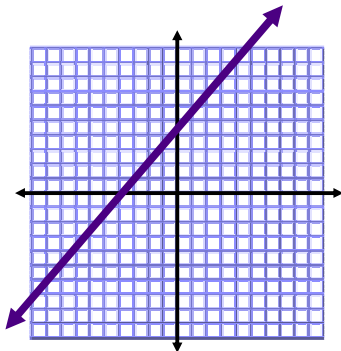
Linear vs. Nonlinear

Today's Learning Targets:

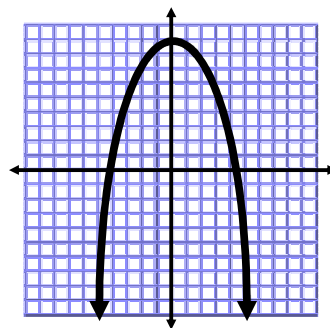
8.4 I can use a table of values to determine if a function is linear or non-linear.

8.5 I can graph a function from a table of ordered pairs.

Graphs



This is a _____ because it _____ a constant rate of change (slope).



This is _____ because it _____ a constant rate of change (slope).

Unit 8 - 8-4 & 8-5

Functions - a rule in which every _____
_____.

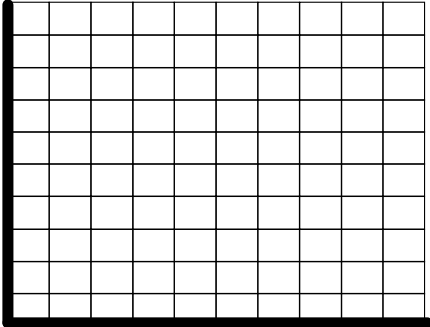
Linear functions - a function that has a
constant _____
that results in a _____
when graphed.

Nonlinear functions - a function that
_____ have a constant
_____ and
_____ when graphed.

Table

As "x" increases by 1,
how does "y" change?

x	y
0	10
1	20
2	30
3	40
4	50

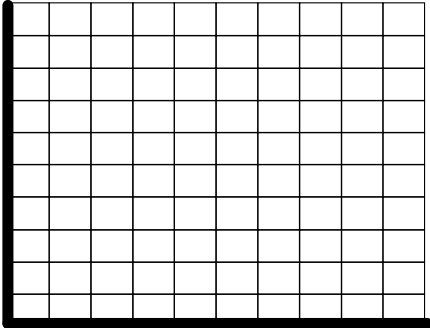


Linear or Nonlinear?

Table

As "x" increases by 1,
how does "y" change?

x	y
0	10
1	20
2	40
3	80
4	160



Linear or Nonlinear?

Is the relationship Linear or Nonlinear?

x	y
0	0
1	2
2	4
3	6
4	8

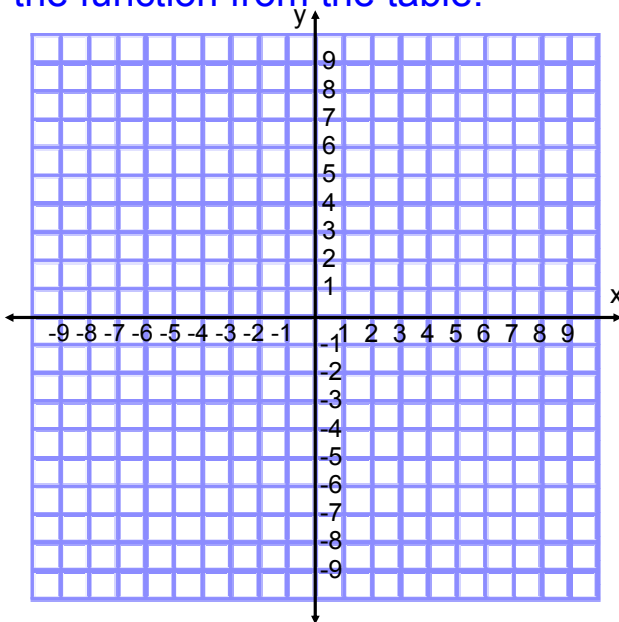
x	y
1	-5
2	-2
3	2
4	5

x	y
0	2
1	6
3	14
4	18

Unit 8 - 8-4 & 8-5

Graph the function from the table:

x	y
-2	-7
-1	-4
1	2
2	5
3	8



Graph the function from the table:

x	-2	-1	0	1	2
y	5	2	1	2	5

