

Lesson 7-4: Graphing Functions

SWBAT: Graph functions using data in the table.

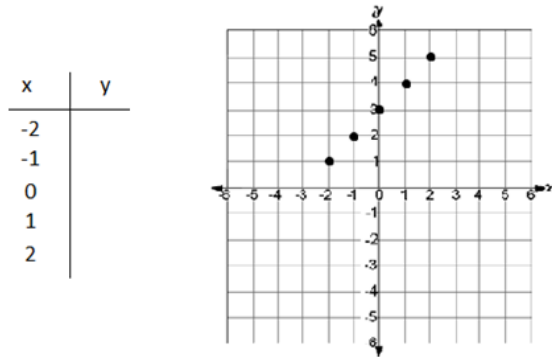
Vocab Words:

- Linear function – _____
- Non-linear function – _____

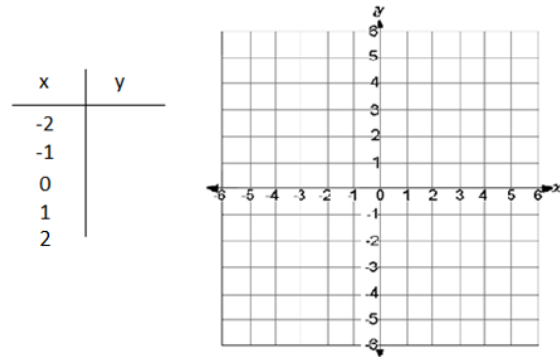
Linear Functions:

- First, make an _____ for the function.
- Use the same x numbers in each table for every graph. _____

Ex: Graph the function: $y = x + 3$



Graph the function: $y = x - 2$

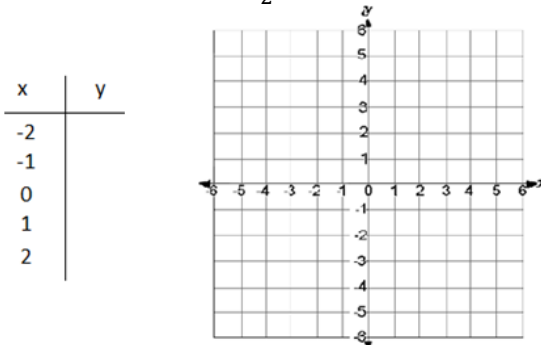


Non-Linear:

- If you cannot make _____ it is non-linear
- If there is an exponent on the variable it is non-linear.

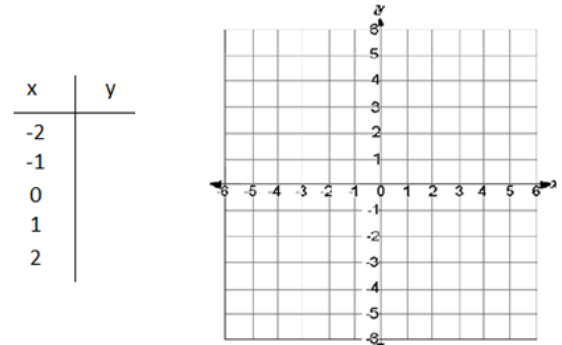
Make a table and graph the function

$$y = \frac{x}{2}$$



Make a table and graph the function:

$$y = -x + 1$$



Word Problems:

- A pizza delivery person gets \$5 each day and \$2 for each pizza delivered. You can use the function $y = 5 + 2x$. How much will he make if he delivers 25 pizzas?
- Tracy is a member of a discount CD club. She pays an annual fee of \$30 and \$4 for each CD. How much will she pay if she buys 15 CD's?