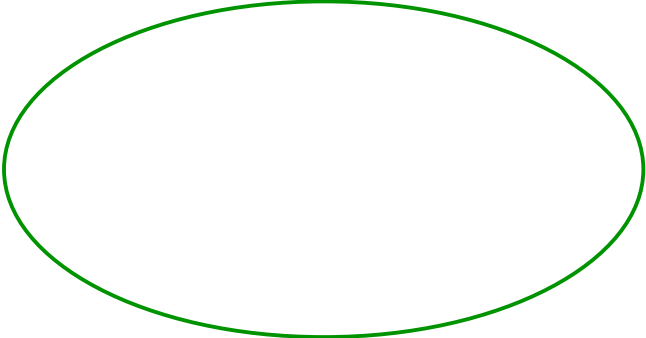
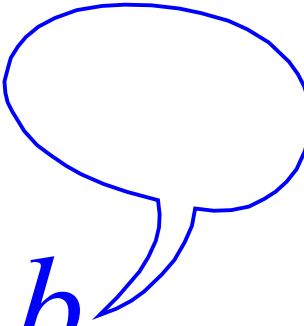



Writing Equations from Tables

Today's Learning Targets:

8.7 I can write a linear equation from a table of values.

$$y = mx + b$$


Write an equation

counts by ones

$$y = \underline{\quad}x + \underline{\quad}$$

X	Y
-2	14
-1	11
0	8
1	5
2	2

$m = \frac{y_2 - y_1}{x_2 - x_1}$ find slope, or pattern of y

find y-int, when x is 0, what is y ?

$$y = mx + b$$

Write an equation

counts by ones

$$y = \underline{\quad}x + \underline{\quad}$$

hours	miles
2	120
3	180
4	240
5	300
6	360

$m = \frac{y_2 - y_1}{x_2 - x_1}$ find slope, or pattern of y

find y-int, when x is 0, what is y ?

$$y = mx + b$$

Write an equation

counts by ones

input	output
3	-3
4	-5
5	-7
6	-9
7	-11

$y = \underline{\hspace{1cm}} x + \underline{\hspace{1cm}}$

$m = \frac{y_2 - y_1}{x_2 - x_1}$ find slope, or pattern of y

find y-int, when x is 0, what is y?

$y = mx + b$

Write an equation

doesn't count by ones

X	Y
3	8
6	11
9	14
12	17

$y = \underline{\hspace{1cm}} x + \underline{\hspace{1cm}}$

$m = \frac{y_2 - y_1}{x_2 - x_1}$ find slope, or pattern of y

find y-int, when x is 0, what is y?

$y = mx + b$

Write an equation

$y = \underline{\hspace{1cm}} x + \underline{\hspace{1cm}}$

doesn't count by ones

min	\$
100	18
200	28
300	38
400	48
500	58

Gwen is looking at different monthly cell phone plans. The cost (y) of each plan is based on the number of minutes (x).