

Agenda

Homework:

- Linear Equations: Tables
- AM

Materials:

- Notebook
- Calculator

• DO NOW:

- Take out notebook and homework
- Solve the following on desk:

① What is the equation for slope-intercept form?

② Find the slope of the table:

x	y
-2	5
0	2
2	-1

Practice Problems

1). What is the equation for slope-intercept form?

2). Find the slope of the table:

x	y
-2	5
0	2
2	-1

Set up Guided Cornell Notes

Topic: Linear Equations: Tables

Essential Question: How do you create a linear equation using slope intercept form for a table?

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1/21/16	Linear Equations: Tables	

Recap: What is the equation for slope-intercept form?

$$y = mx + b$$



Slope



y-intercept

Recap: How do you find slope of a table

Find the
Change in y
Change in x

$$\text{Slope} = \frac{\text{Change in } y}{\text{Change in } x} =$$

(m)

$$m =$$

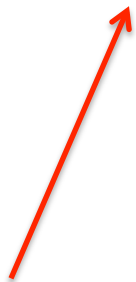
x	y
-2	5
0	2
2	-1

How do you find the y-intercept using a table?

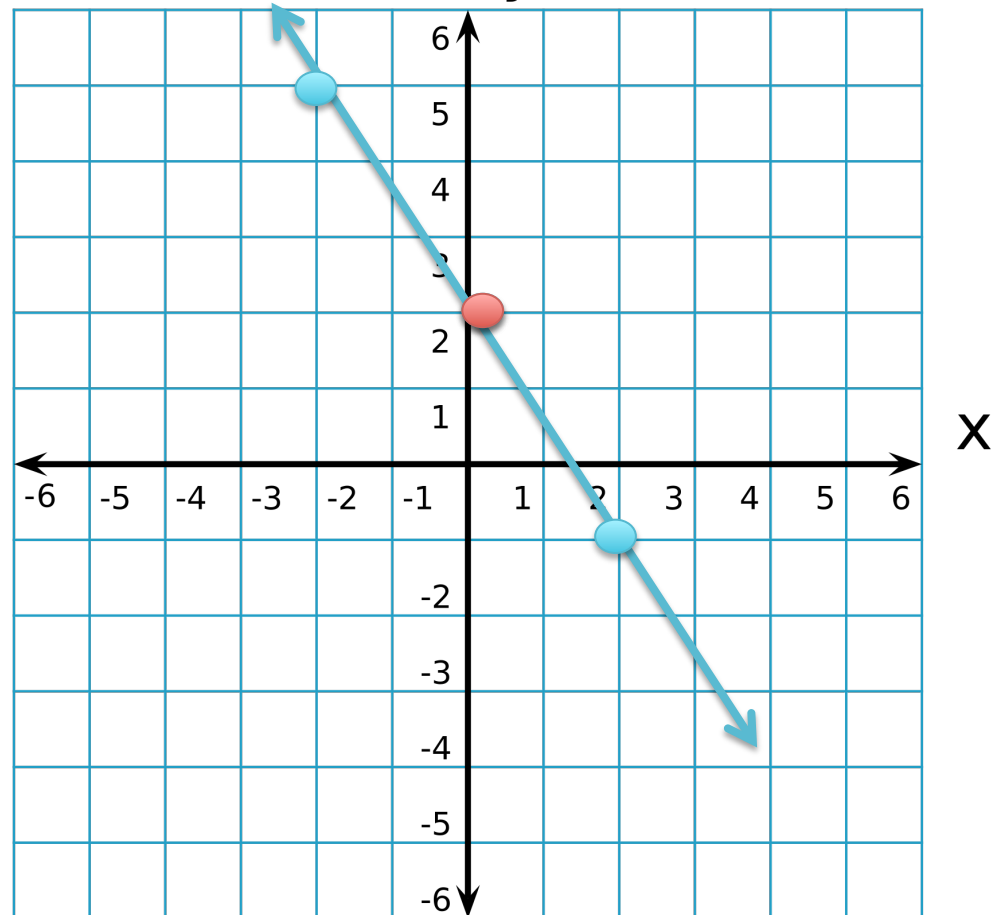


- The y-coordinate of the point is where $x = 0$
y-axis

x	y
-2	5
0	2
2	-1



y-intercept: 2



How do you create a linear equation from a table?



1. Find the slope

$$m =$$

2. Find the y-intercept

$$b =$$

3. Plug into slope-intercept form

x	y
-2	5
0	2
2	-1



How do you find the y -intercept when it is not given?

- ① Find the slope.
- ② Find where in the table the y -intercept would fall.

$m =$

x	y
-1	4
1	8
3	12

$b =$

$m =$

x	y
2	0
4	3
6	6

$b =$