Math Virtual Learning

Algebra 1 Semester 1

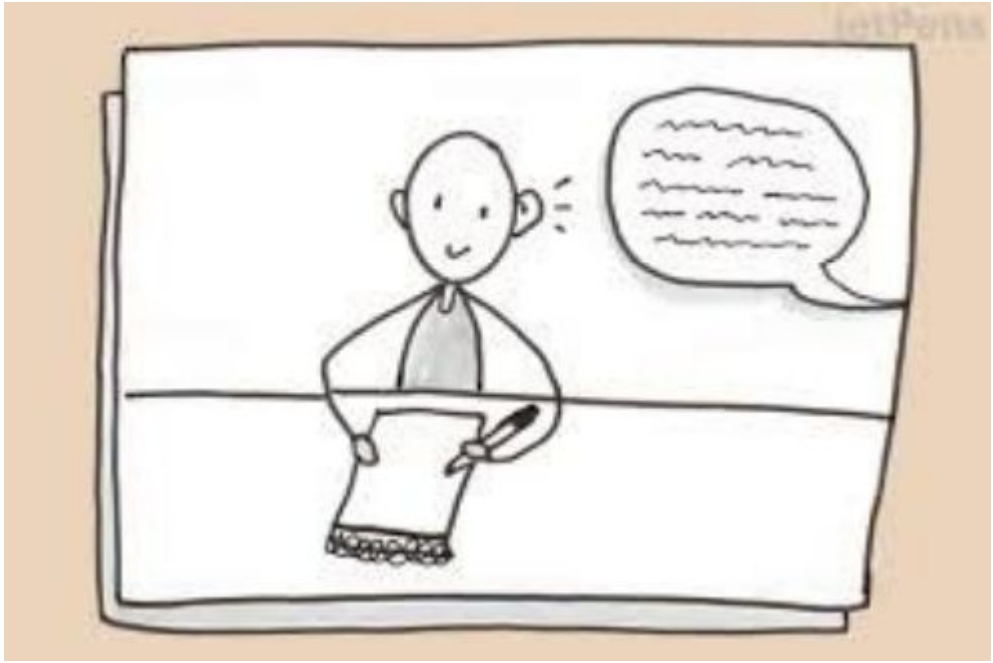
Graph Lines in Slope-Intercept Form

April 9, 2020

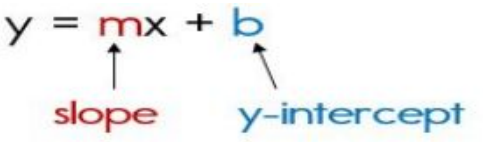
Algebra 1 Semester 1
Lesson: April 9

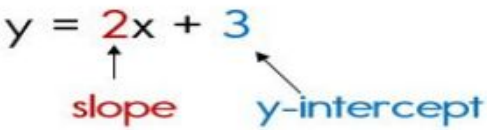
Objective/Learning Target:
Students will graph lines given in slope-intercept form.

Let’s get started!
Watch the video.



Practice
Go to this website:
Writing Equations of Lines in Slope-Intercept Form

1. Review and solve the problem on finding slope from a graph.
2. 



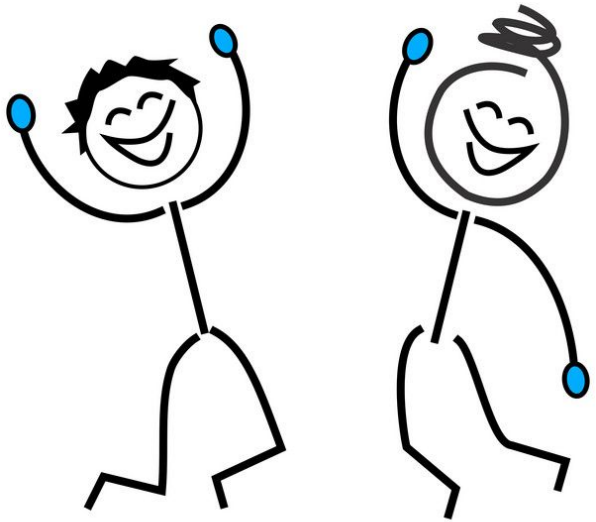
2/1 is the slope
(0,3) is the y-intercept

Practice:

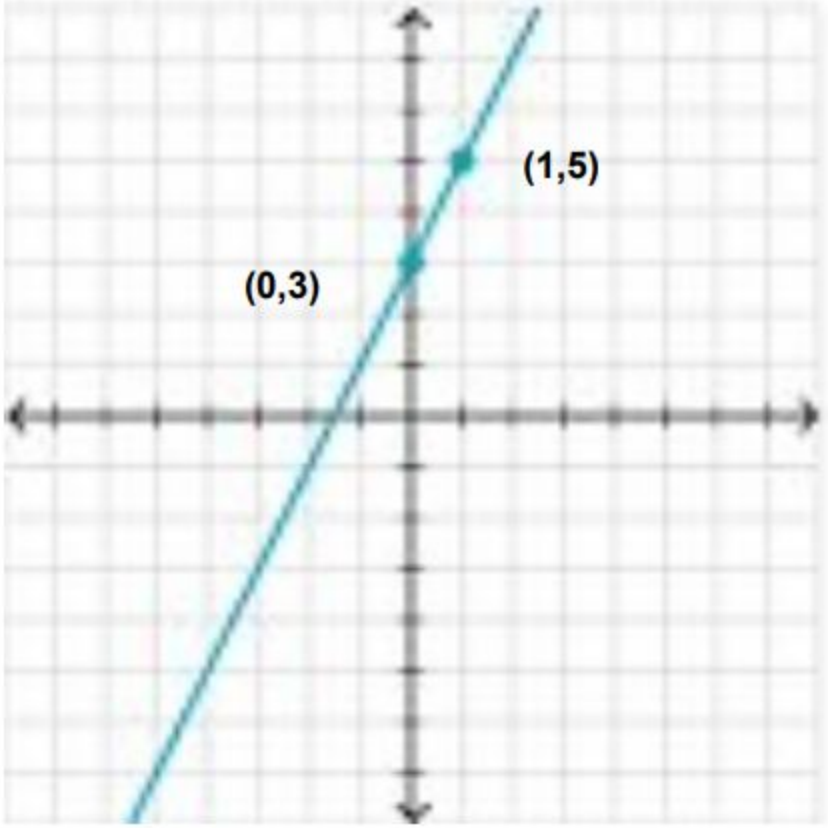
Go to this website:

Graph lines given in ax + by = c form.

You will get feedback on your answers!



3.



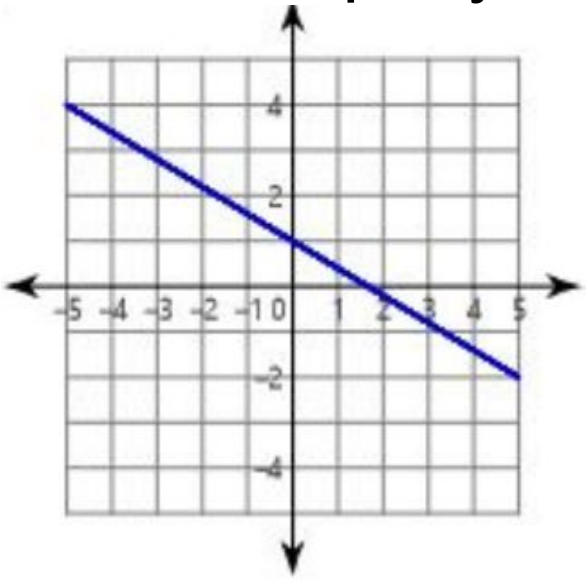
Slope: **2**

$$m = \frac{\Delta y}{\Delta x}$$

Y-intercept: **3**

Equation: $y = 2x + 3$

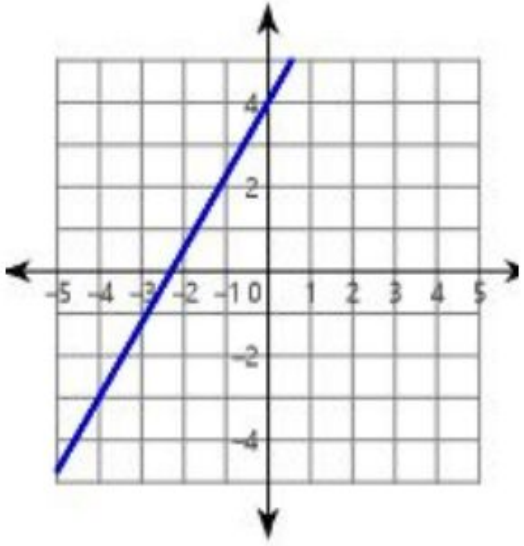
Find the slope, y-intercept, and equation for each line.



Slope _____

Y intercept _____

Equation _____



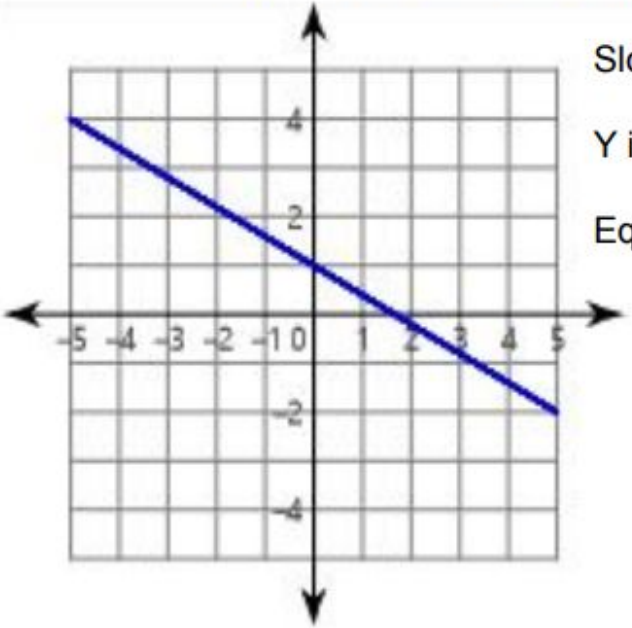
Slope _____

Y intercept _____

Equation _____

Answer Key:

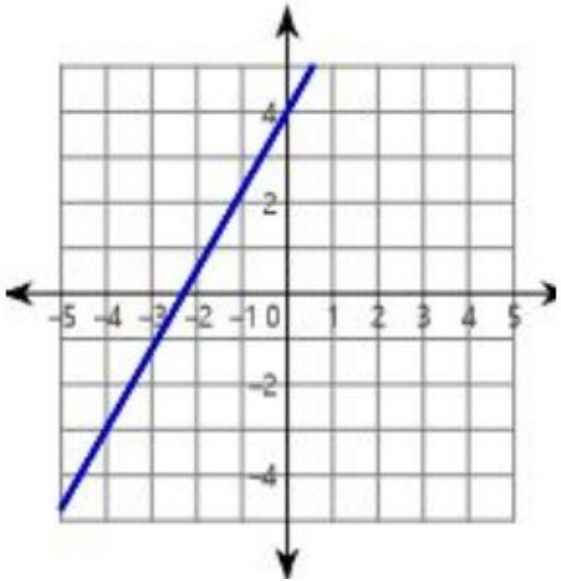
Once you have completed the problems, check your answers here.



Slope: -3/5

Y intercept: 1

Equation: y= -⅗ x + 1



Slope: 7/4

Y intercept: 4

Equation: y= 7/4x + 4

Additional Practice:

Click on the links below to get additional practice and to check your understanding!

Writing Equations in Slope-Intercept Form