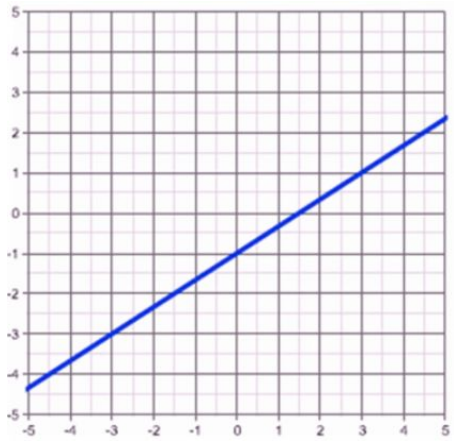
Lesson 11.3: Slope of a Line

Targets

1. I can identify the slope of a line.
2. I can graph any linear equation.



Finding the slope of a line from its graph

First attempt this problem on your own. Then watch the video and copy his notes.

- *Find the slope of the line in the graph at the right.*

Slope from two ordered pairs example 1

First attempt this problem on your own. Then watch the video and copy his notes.

- *Find the slope of the line that goes through the ordered pairs (4, 2) and (-3, 16).*

Your attempt: Video Notes:

Khan Activity: Identifying Slope of a Line

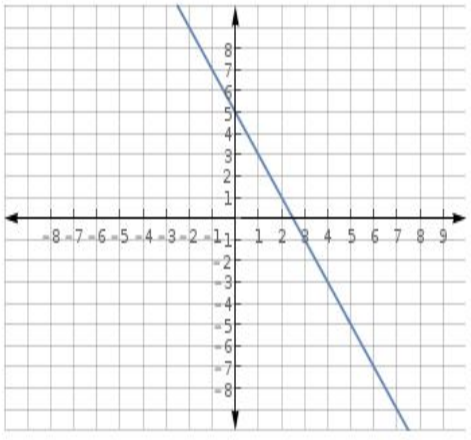
Complete this activity on Khan.

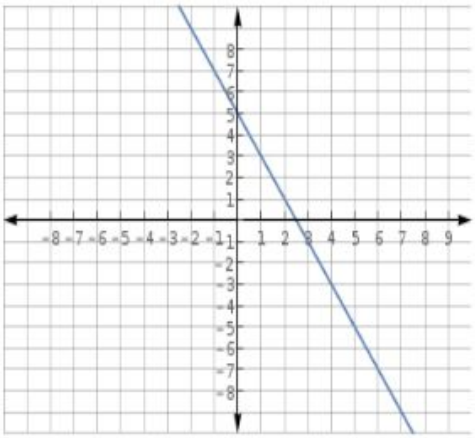
Intuitive Understanding of Slope Example

First attempt this problem on your own. Then watch the video and copy his notes.

- *Graph a line that has a slope that is negative and greater than the slope of the blue line.*

Your attempt: Video Notes:





Khan Activity: Slope Intuition

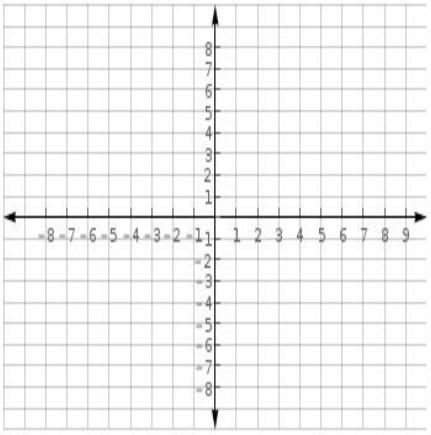
Complete this activity on Khan.

Graph from slope-intercept equation example

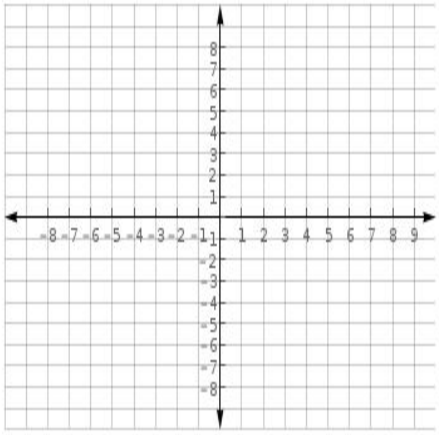
First attempt this problem on your own. Then watch the video and copy his notes.

- *Graph this equation on the coordinate plane:* $y = \frac{1}{3}x - 2$

Your attempt:



Video Notes:



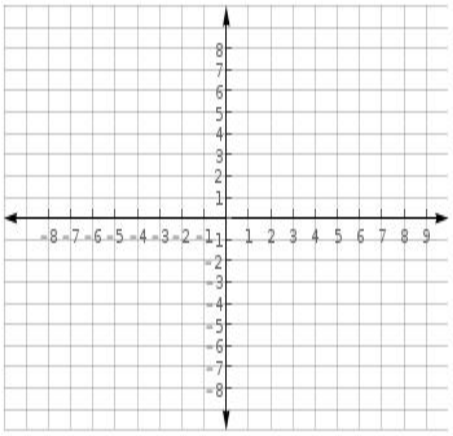
Converting linear equations to slope-intercept form

First attempt this problem on your own. Then watch the video and copy his notes.

- *Convert these linear equations into slope-intercept form, and then graph them on a single coordinate plane.*

  Line A) $4x + 2y = -8$ *Line B)* $4x = -8$ *Line C)* $2y = -8$

Your attempt:



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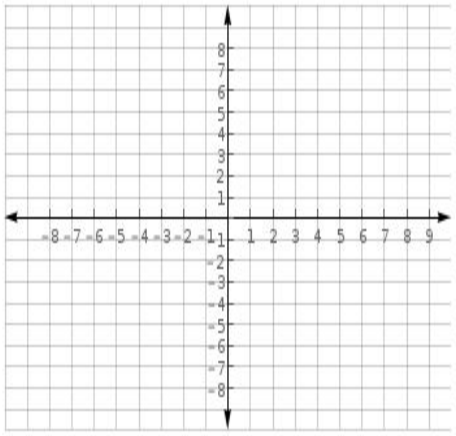

Khan Activity: Graphing Linear Equations

Complete this activity on Khan.

Exit Ticket

1. Have all your notes filled out above.
2. Complete the following Khan Academy Activities:
   a. Identifying Slope of a Line
   b. Slope Intuition
   c. Graphing Linear Equations