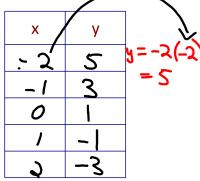
1.1 Graphing Linear Relationships

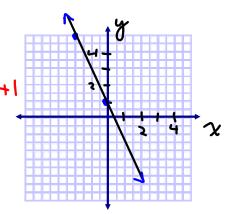
How can you graph a linear relation?

- 4 1. Make a table of values
- 2. Find the x and y intercepts

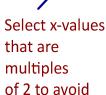
Ex. 1 Graph using a table of values





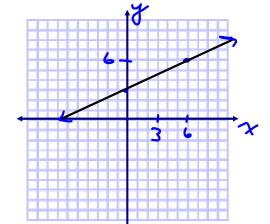


b)
$$y = \frac{1}{2}x + 3$$



fractions

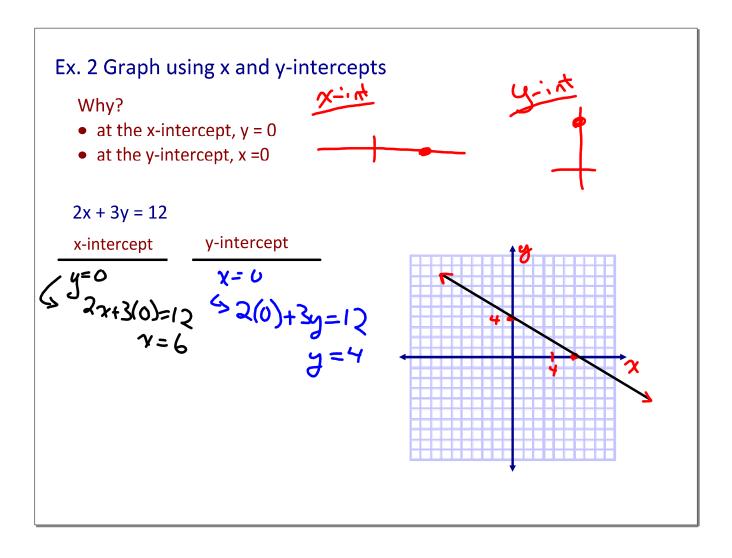
X	У
0	3
2	4
4	5
6	6



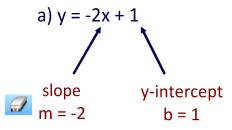


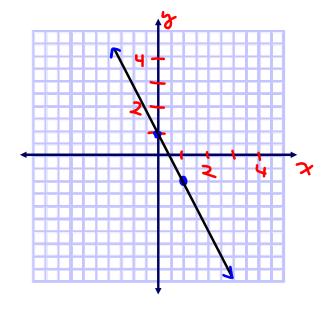
How to Avoid Communication Errors!

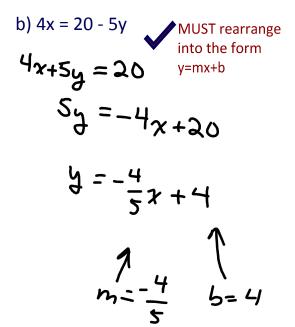
- Arrows on x and y-axes as well as the line
- Label the line
- Label axes
- Use a ruler and pencil
- Must show a scale

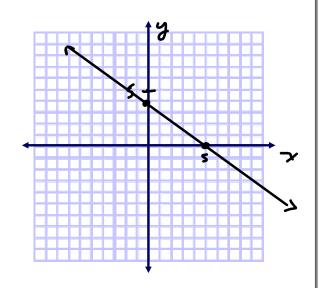


Ex. 3 Graph using the slope and y-intercept.





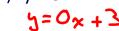




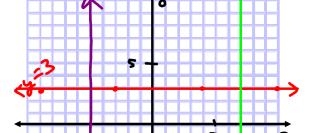
Special Cases

Ex. 4 Graph each line, then state the slope.



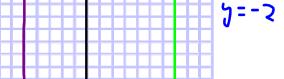




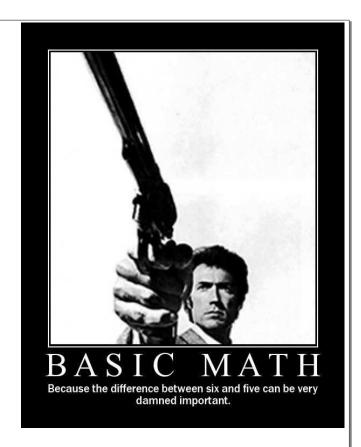


c)
$$x = 7$$

d)
$$x = -5$$



Your Turn: Page 5 #6bd,7bd,8



http://www.mathplayground.com/SaveTheZogs/SaveTheZogs.html

Aug 29-4:48 PM