December 5, 2011

Get out your homework

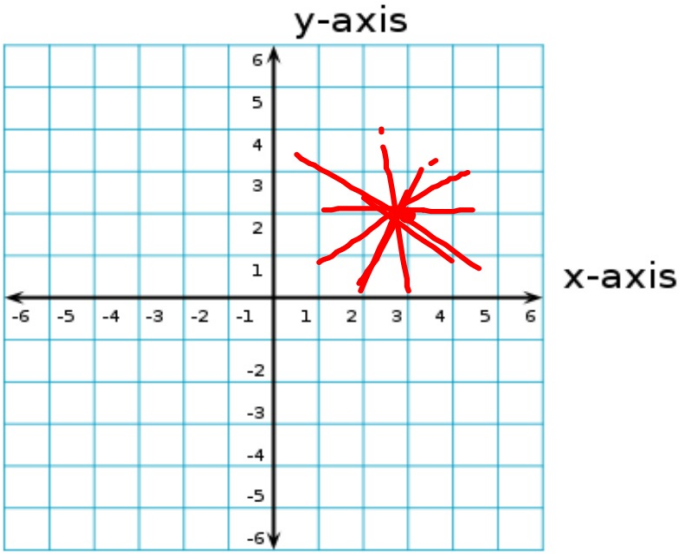
LIME WS12 - Finding slopes from graphs

YELLOW WS13 will be due on Wednesday

12/5 - Graphing Lines from a Point and a Slope

How many lines can you draw through one point?

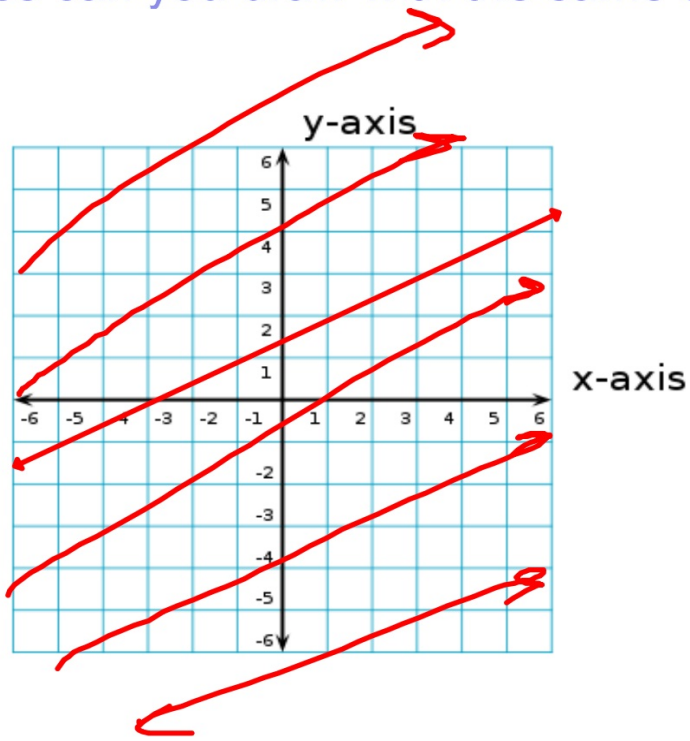
infinite #



(3,2)

How many lines can you draw with the same slope?

infinite #.



$$m = \frac{1}{2}$$

You need a slope AND a point in order to get an exact line.

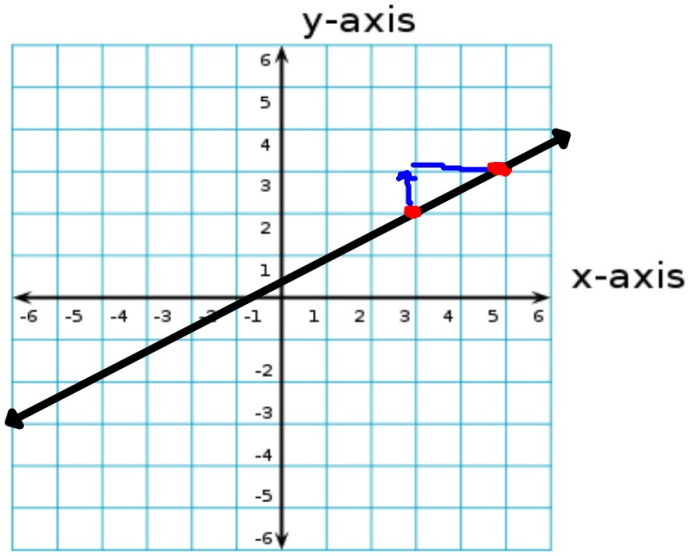
$(3,2)$ $m = \frac{1}{2}$ up / over rise / run

① Start at the given pt.

② do slope up/down over

③ Find th 2nd pt

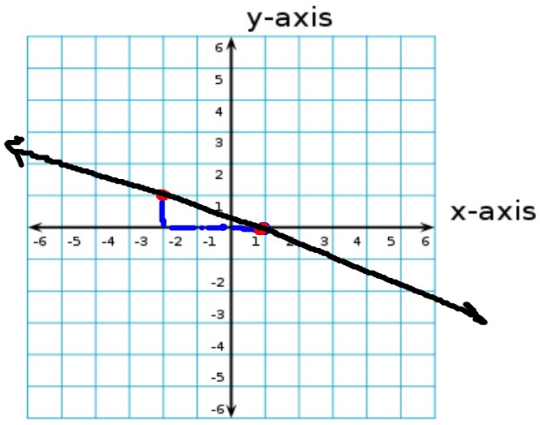
④ Connect the dots.

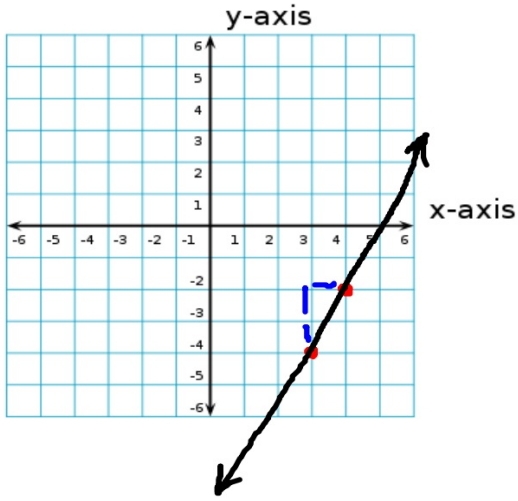


Graph these:

$(-2,1)$ $m = -\frac{1}{3}$ down top over

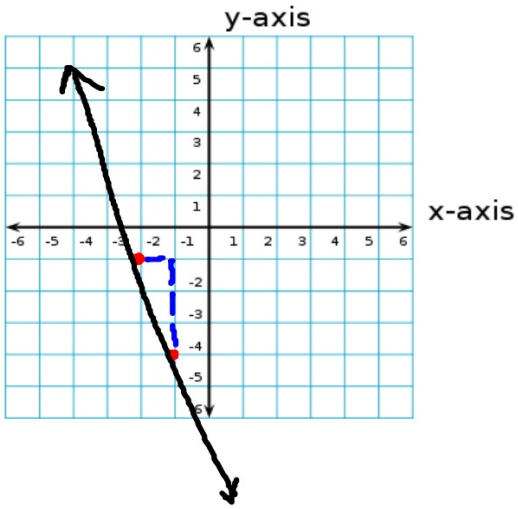
$(3,-4)$ $m = \frac{2}{1}$





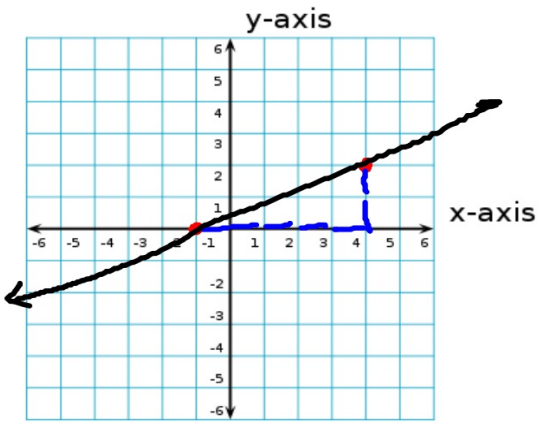
$(-1,-4)$ $m = \frac{-3}{1}$ down right

or $\frac{3}{-1}$ up left



$(4,2)$ $m = \frac{2}{5}$ up Right

or down left



Homework:

Pink Worksheet 3

Due Wednesday