Alge	bra	Slor	oe D	av	3

Putting it ALL together!!

- 1. What is slope? Steepness of line = $m = \frac{hise}{vun} = \frac{d^2-y_1}{x_2-x_1} = \frac{1}{x_2-x_1}$
- 2. What variable represents slope? ______
- 3. If you are given a point and the slope, how do you graph a line through the point with the given slope? Explain in words.

plot the point. Then we use the slope to go up or down (topH) & then go left or right (bottom H)

- 4. If a line has a slope of 3, then for every ____ unit(s) to the right, you need to move ___ unitsup down.
- 5. If a line has a slope of -4, then for every ____ unit(s) to the right, you need to move ____ units up/down.
- 6. If you are given a graph with a line plotted, how do you find the slope of that line? Explain in words.

Count the units of the rise and run,

make a fraction of rise a simplify

run

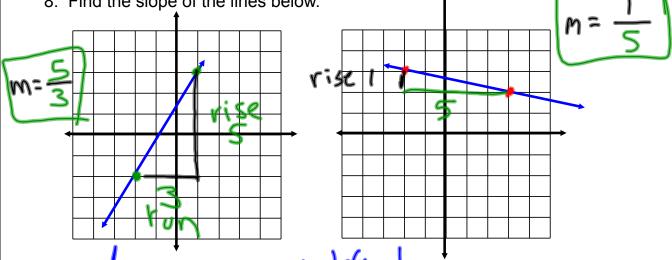
and check in slope is

positive or negative.

7. Find the slope of a line that contains (8, 2) and (-2, -2).

 $M = \frac{y_3 - y_1}{x_0 - x_1} = \frac{-2 - 2}{-2} = \frac{-4}{-10} = \frac{x_1 y_1}{x_0}$

8. Find the slope of the lines below.



- 9. A vertical line has a slope of unlefine
- 10. A horizontal line has a slope of _____.

