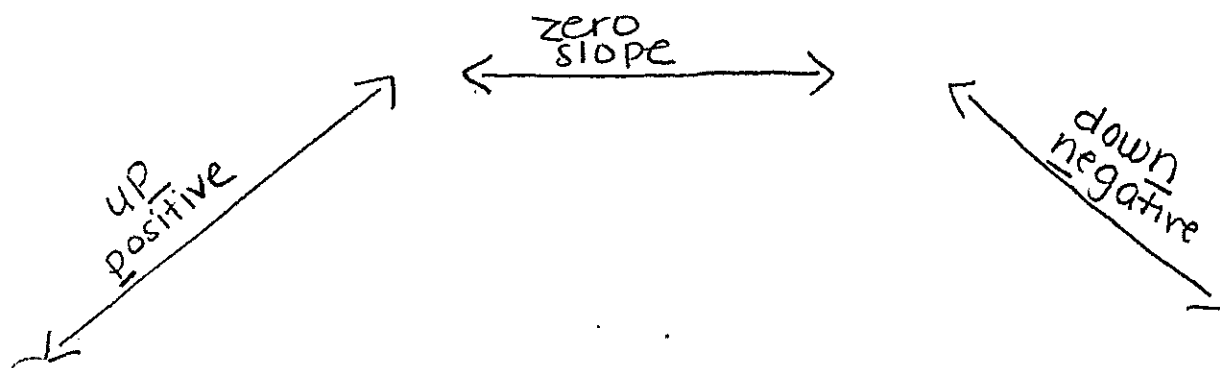Name_ **Key**

Date_____

UNIT 2

LESSON 3

Do Now: Check homework answers and then we are going to watch a video!

https://www.youtube.com/watch?v=avS6C6_kvXM

AIM: Graphing lines using the SLOPE-INTERCEPT method

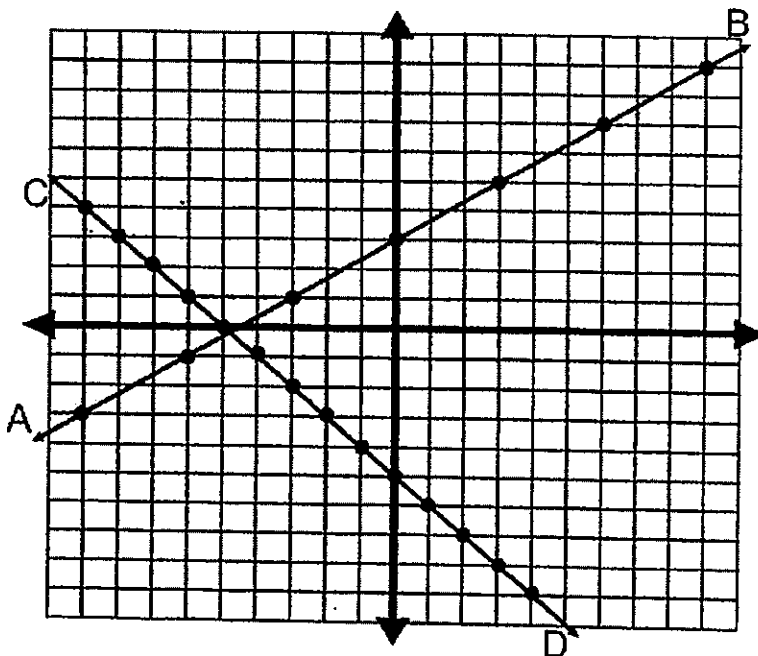Lines have either a positive slope, a negative, a zero slope, or no slope.

The incline or steepness of a line is also called the _____ slope _____. It's the change in the
_____ vertical _____ distance over the change in the _____ horizontal _____ distance.
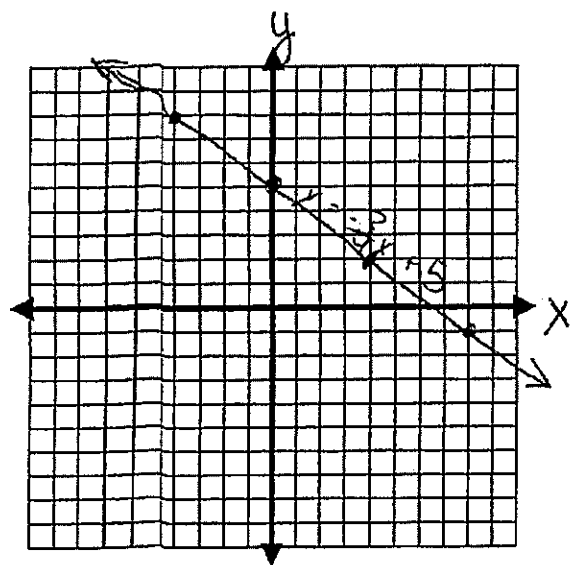
1. Find the slope of AB:

$$m = \frac{2 \uparrow}{3 \rightarrow}$$
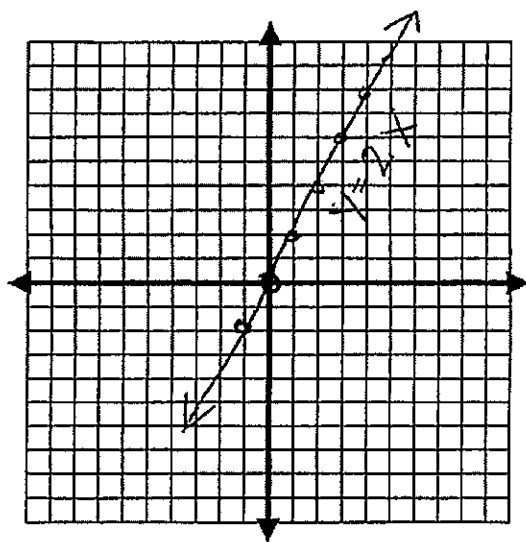
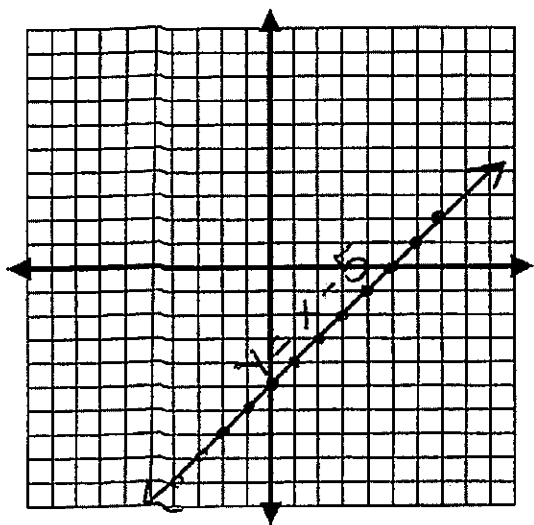2. Find the slope of CD:

$$m = \frac{-1 \downarrow}{1 \rightarrow}$$

11. $y = -\dfrac{3}{4}x + 5$ $m = -\dfrac{3}{4} \rightarrow$ $b = 5$
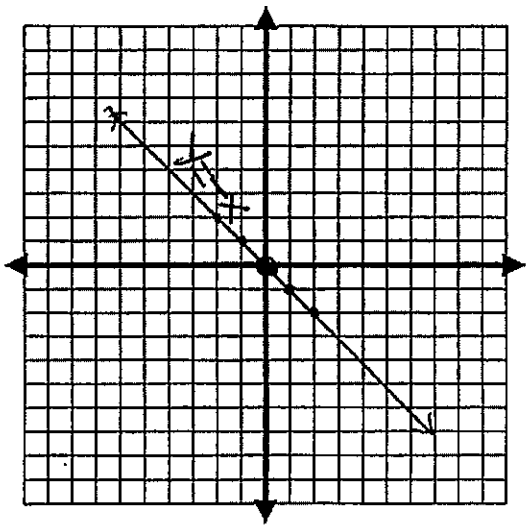
12. $y = 2x$ $m = \dfrac{2}{1}$ $b = 0$

13. $y = x - 5$ $m = \dfrac{1}{1}$ $b = -5$

14. $y = -x$ $m = \dfrac{-1}{1}$ $b = 0$

$m = \oplus$ up

$m = \ominus$ down

+ always to the Right!