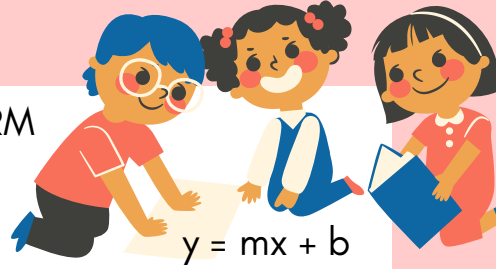


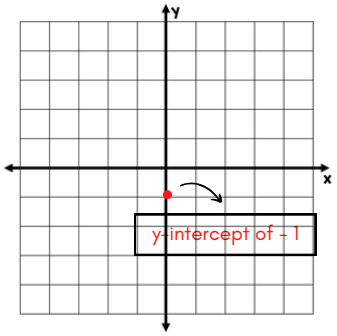
GRAPHING LINEAR EQUATIONS IN SLOPE INTERCEPT FORM

SLOPE-INTERCEPT FORM

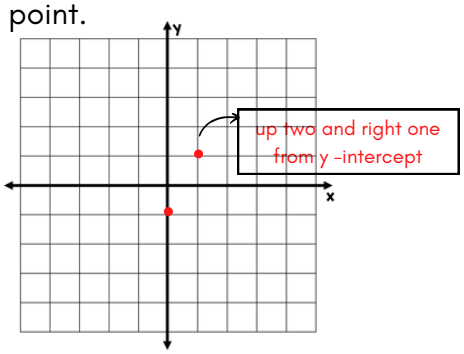
Any linear equation can be written in the form y = mx + b where m is the slope and b is the y-intercept.

EXAMPLE #1 **y = 2x - 1**

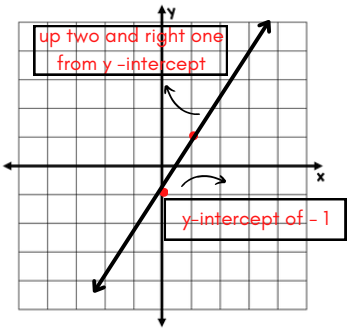
Step 1 : The y-intercept is -1, so we plot a point at -1 on the y-axis to begin.



Step 2 : Next, the slope is 2 which means a rise of 2 and a run of 1. So we'll move up two and right one to plot the next point.

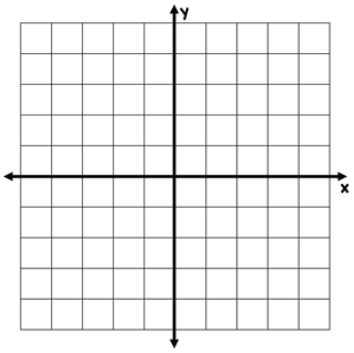


Step 3 : Finally, connect the dots with a line.

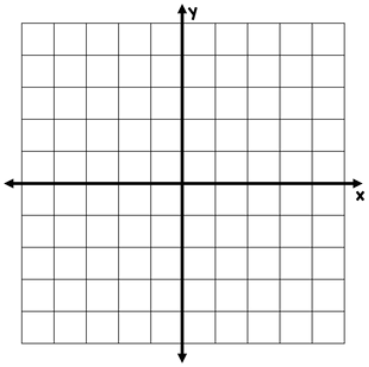


EXECISES

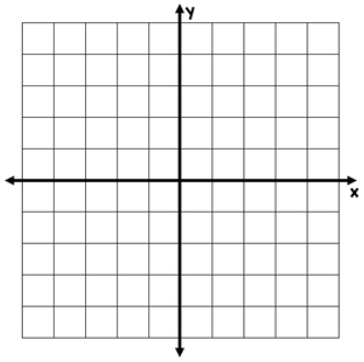
(A) **y = 2x + 4**



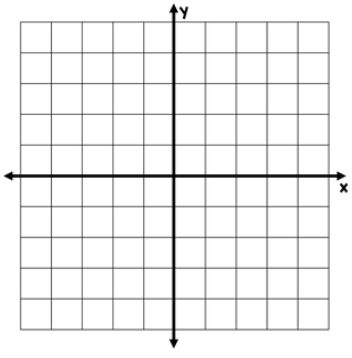
(B) **y = 2x + 1**



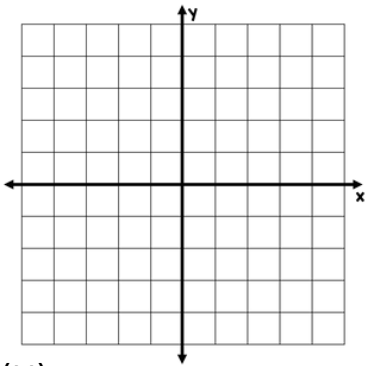
(C) **y = 3x - 2**



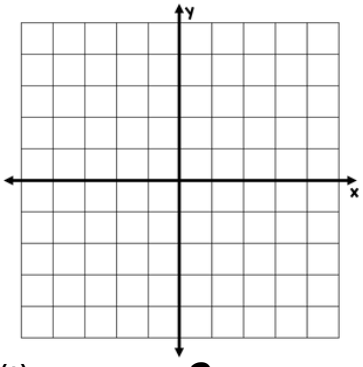
(D) **y = -3x - 3**



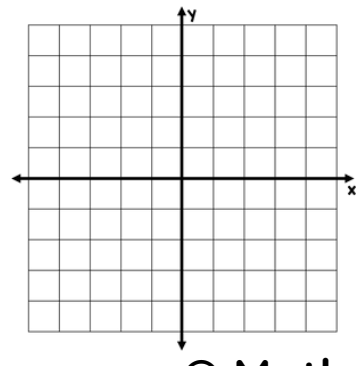
(E) **y = - 6**



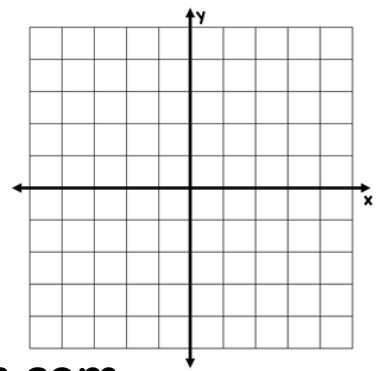
(F) **y = 4**



(G) **y = - x + 5**



(H) **y = 2x**



(I) **x = - 2**