7 - 6 Slope-Intercept Form of a Line

slope-intercept form:

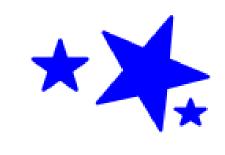


m: slope

b: Y-intercept

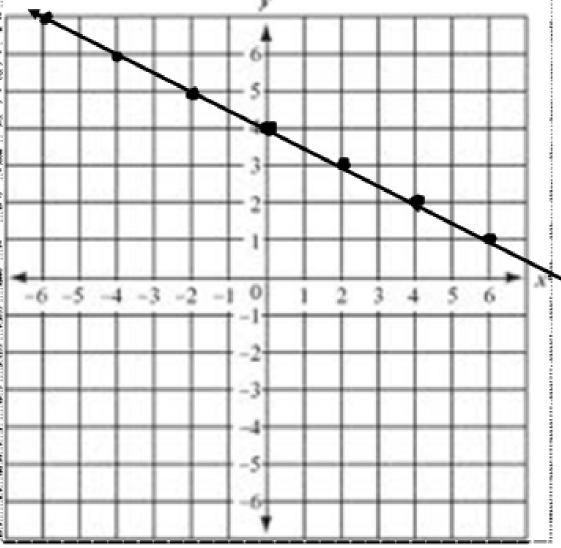
x, y stay variables

Ex: Find the slope and y-intercept of y = (



slope:
$$-\frac{1}{2}$$
 $\frac{-1}{2}$

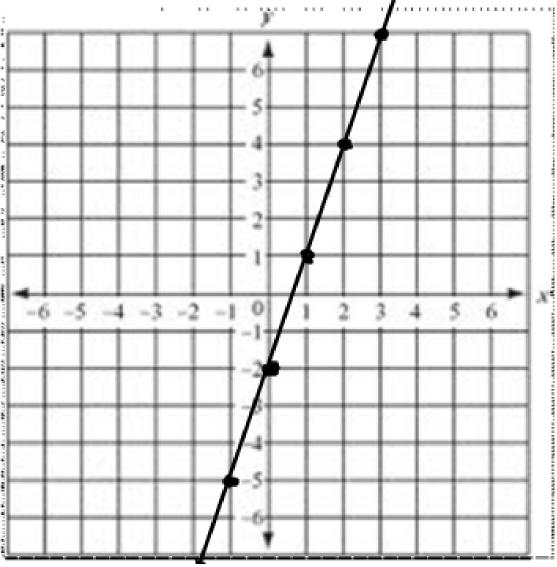
y-intercept: 4



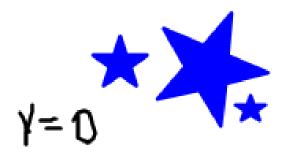
Ex: Find the slope and y-intercept of y = 3x - 2 and then graph.

slope: 3

y-intercept: -2

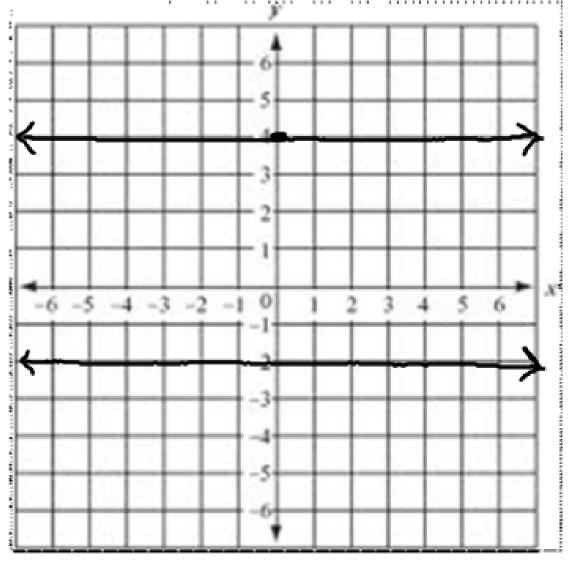


Ex: Find the slope and y-intercept of y = 4 and then graph.

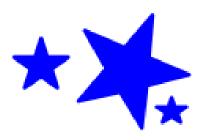


slope: O

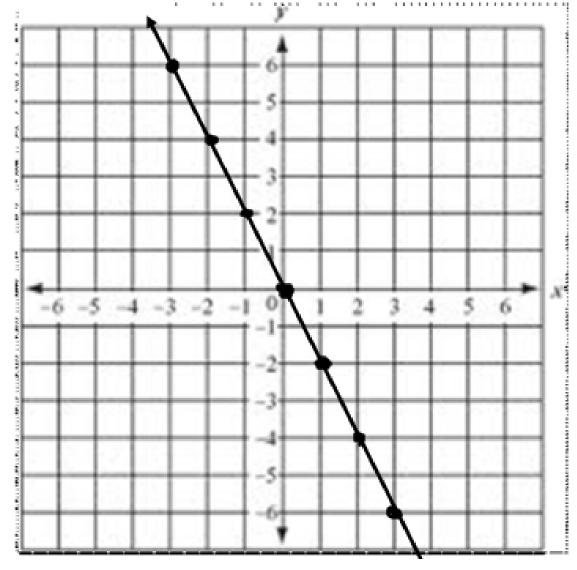
y-intercept: +



Ex: Find the slope and y-intercept of y = - 2x and then graph.



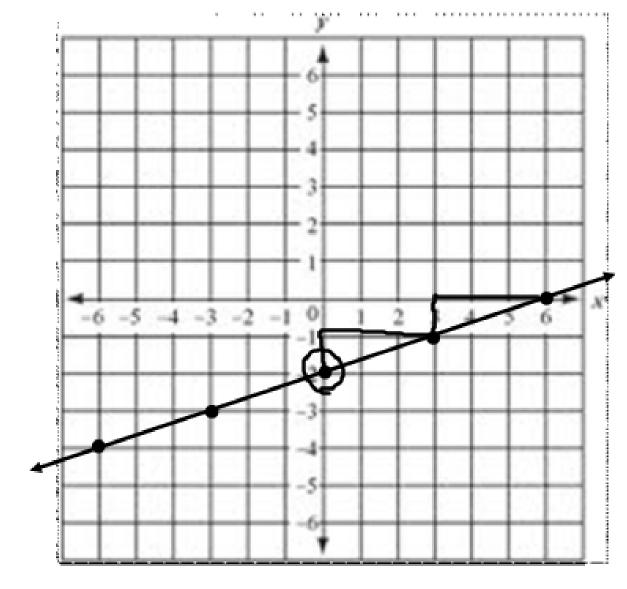
y-intercept: O



Ex: Write an equation of the line shown.



$$\frac{\text{up} \, 1}{\text{right 3}} = \frac{1}{3}$$





Homework:

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