## Slope Intercept form

May 12, 2017 11:18 AM

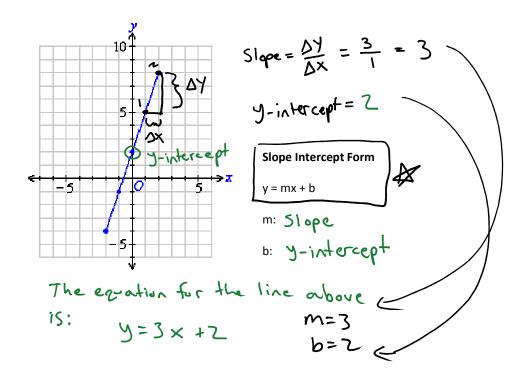
Slope: measures how Steep a line is.

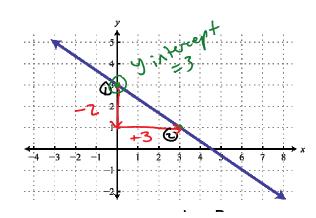
Slope = 
$$\frac{rise}{ron} = \frac{\Delta Y}{\Delta x}$$
 //  $\Delta$ : Change in

Intercepts: where two lines Cross

. x-intercept: where your graph crosses the X-axis

. y-intercept: where your graph crosses the y-axis

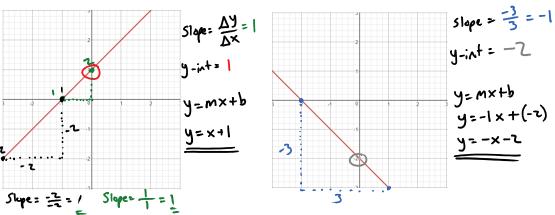


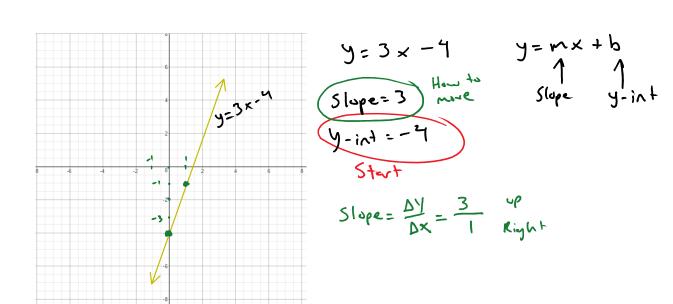


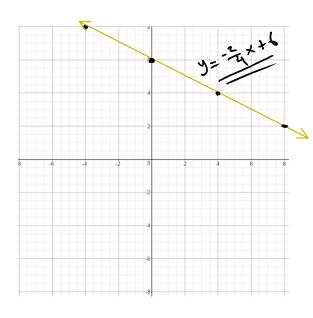
Slope =  $\frac{\Delta y}{\Delta x} = \frac{-2}{3}$ y-intercept = 3

$$M = -\frac{2}{3}$$
  $b = 3$   
 $y = m \times + b$   
 $y = -\frac{2}{3} \times +3$ 

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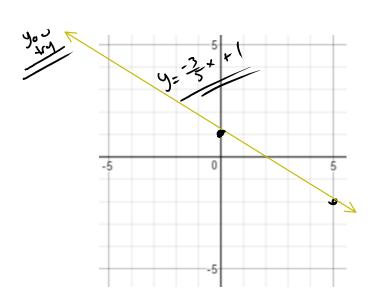






$$y=\frac{2}{4}\times+6$$
  $y=m\times+b$   
1 1  
Slope yint

Slope = 
$$\frac{\Delta y}{\Delta x} = \frac{-2}{4} \rightarrow | \frac{z}{4} \text{ right}$$



$$y = -\frac{3}{5} \times +1$$

Slape = 
$$\frac{\Delta y}{\Delta x} = \frac{-3}{5}$$