

# Slope and Rate of Change

\* Slope

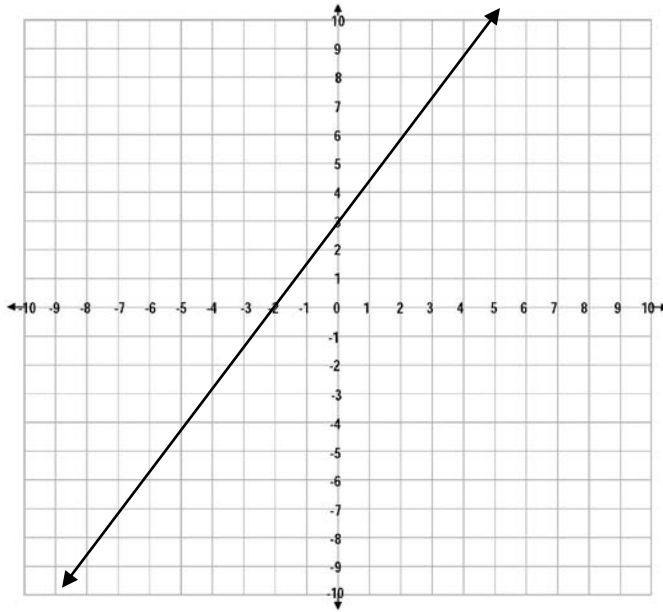
$$m = \frac{(y_1 - y_2)}{(x_1 - x_2)}$$

Other words

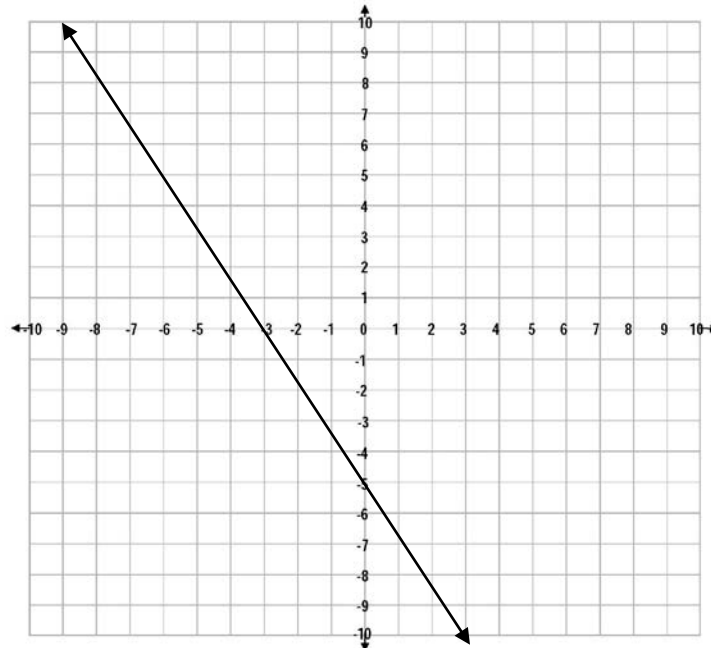
- Rise to run
- Rate of change
- $\frac{\text{Up Down}}{\text{Left Right}}$

Find the Slope of each

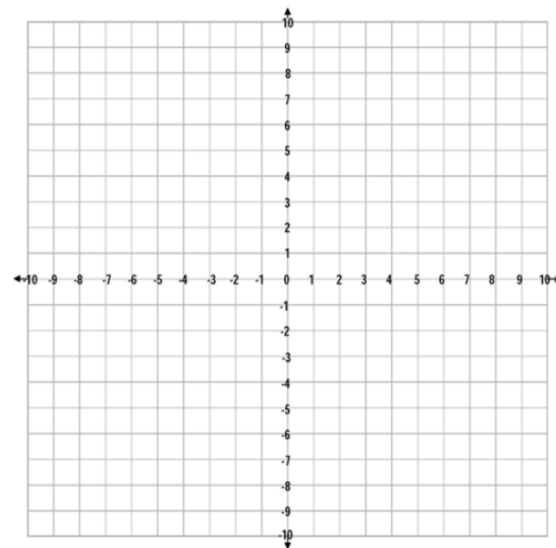
Ex1 )



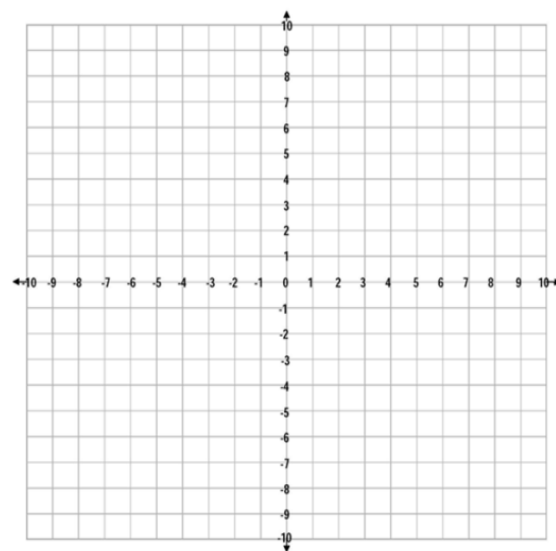
Ex2)



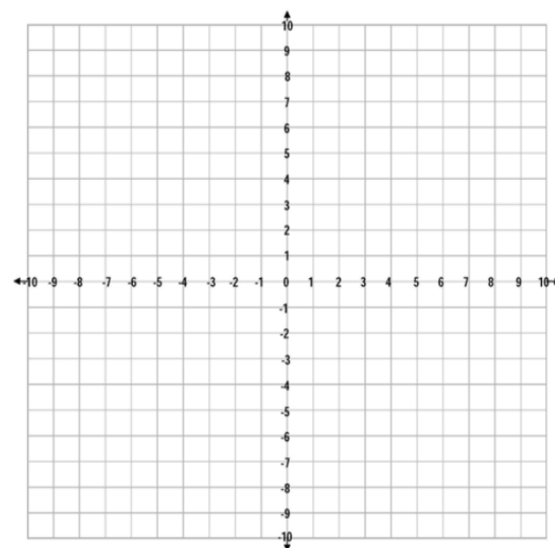
Ex3)  $(-4,2)$  and  $(2,6)$



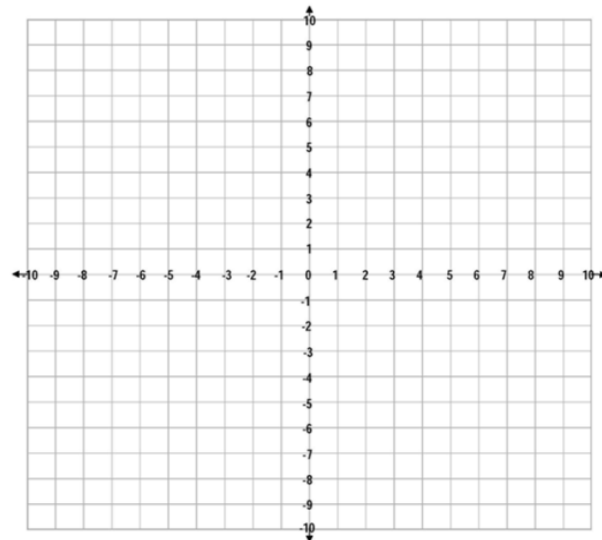
Ex4)  $(5,2)$  and  $(4,-1)$



Ex5)  $(-3,5)$  and  $(4,5)$

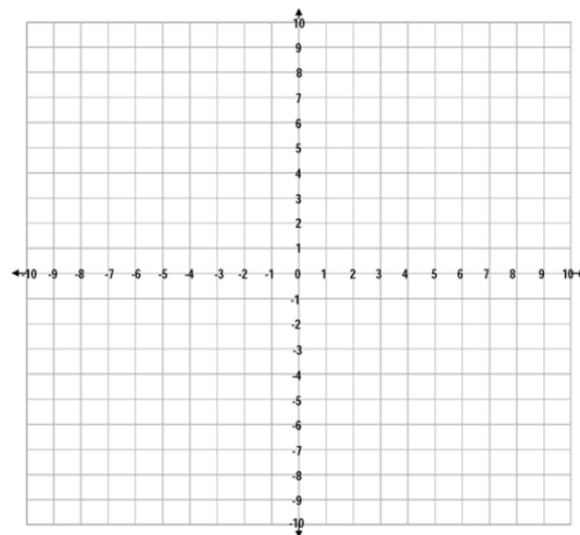


Ex6) (5,2) and (5,-3)



Solve for x or y

Ex7) (x, 2) and ( 3,0 ) if  $m = -\frac{2}{3}$



Ex8) (0,y) and (5,-4) if  $m = -2$

