LINEAR FUNCTIONS

REVIE

Find the slope between the given points:

- a. (3, -7) and (-4, 9)
- b. (-2, 0) and (-2, 5)
- c. (-2, 6) and (-4, 6)

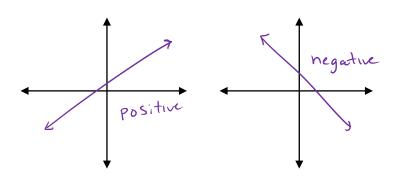
$$\frac{0-5}{-2-2} = \frac{-5}{0}$$

$$\begin{array}{c} \text{Cslope is} \\ \text{CMDRE} \end{array}$$

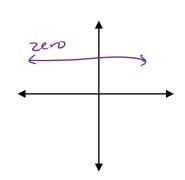
 $\frac{6-6}{-2^{--4}} = \frac{0}{2}$ Slope u 0! zero!

UNDEFINED!

DIFFERENT TYPES OF



undefined



where the graph (±,0) crosses the x-axis

Example: 3x - 6y = -12

where the graph crosses the y-axis (0,4)

x int:

Yint:

let y=0

let x=0

3x-6(0)=-12 3(0)-6y=-12

3x=-12

-6y=-12

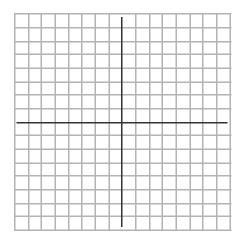
x=-4

(-4,0)

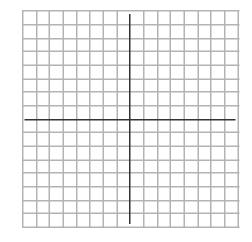
y=2 (0,2)

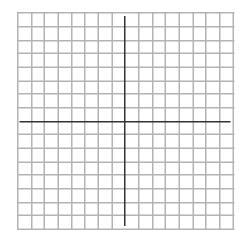
GRAPHING LINES

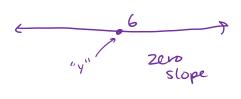
$$x = -4$$



 $y = -\frac{3}{5}x - 4$







(undefined slope)