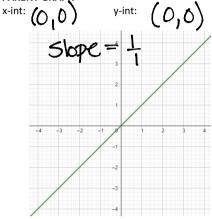
A line is going to shift very similar to a quadratic.

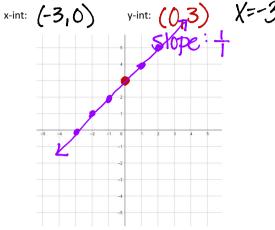
y = x

Let's look at what we have.

lines have slope y=a(x-h)+K

PARENT GRAPH

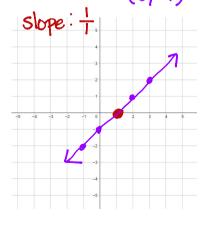




y = (x-1)

How do we move? Right

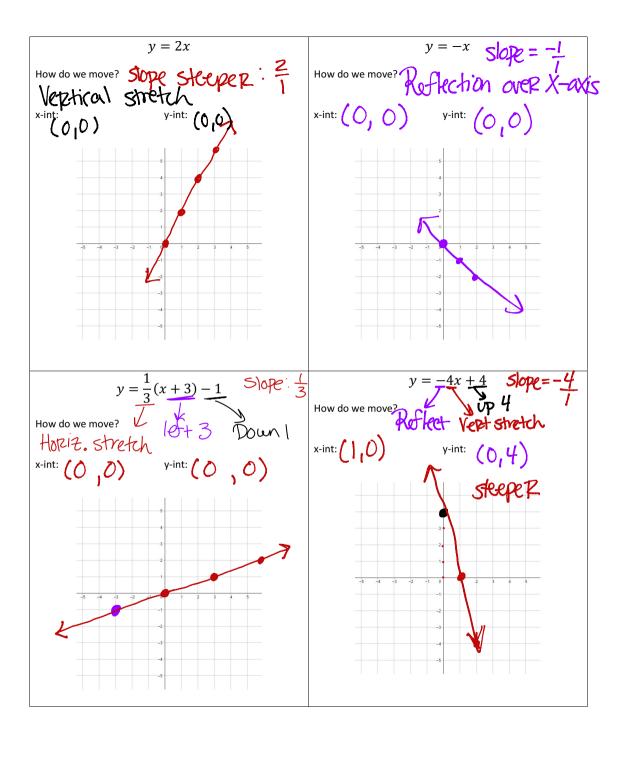
x-int: (1,0) y-int: (0,-1)



y = 0 - 5How do we move? 0 - 5

x-int: (5,0) y-int: (0,-5)

slope: +



/ invarz Compare linear to quadratics. How are these similar? How are they different?  $y = \frac{1}{2}(x+3)^2$ Verkx (-3,0) HERE. Stretch Quad-h 1 ine-no Veretex (() ,-3) Vertex (-4,Z)

What happens to a line when there is a number higher than 1 for a slope?

Vertical stretch - steeper - tall -> skinny

What happens to a line when there is a number lower than 1 for a slope?

HORIZ. Stretch > Fatter > wider > Flatter

