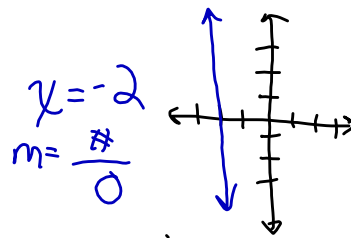
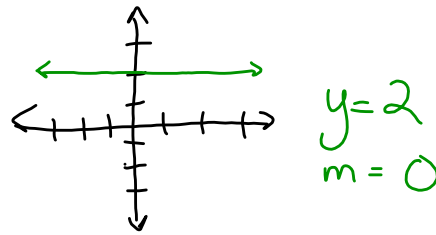


Horizontal & Vertical Lines

H	O	Y
Horizontal	slope = 0 zero	y =

V	Vertical
U	Undefined $\frac{\Delta y}{\Delta x} = \frac{\#}{0}$
X	x =

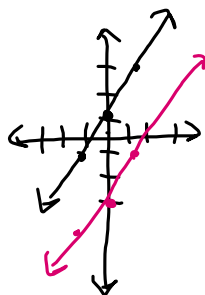


Horizontal (y=) and Vertical (x=) lines are always perpendicular.

Parallel $\frac{\Delta y}{\Delta x}$ \updownarrow \leftrightarrow Perpendicular

- ① Same slope
- ② Never intersect (meet)

③

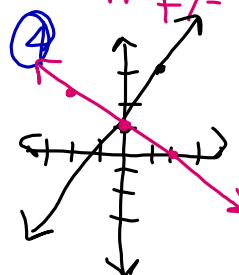


$y = 2x + 1$

$y = 2x + 3$

can't have the same y-intercept

- ① Always intersect to create 90° angles
- ② Can have the same y-intercept.
- ③ Slopes are opposite reciprocal.



opposite sign \uparrow flip it \uparrow $(\frac{a}{b})$

$y = 2x + 1$

$y = -\frac{1}{2}x + 1$