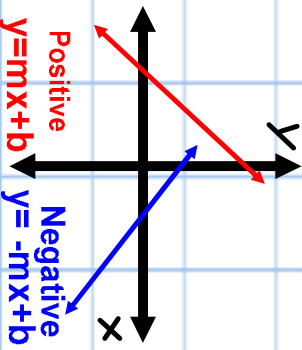
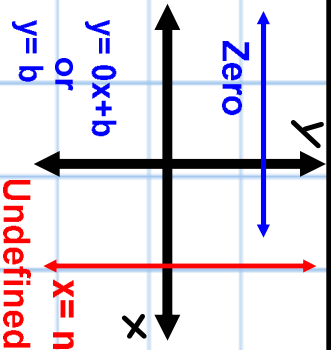


## Types of Slope

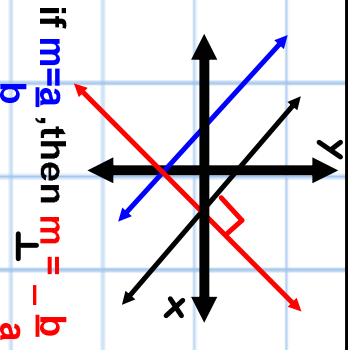
### Slanted Lines



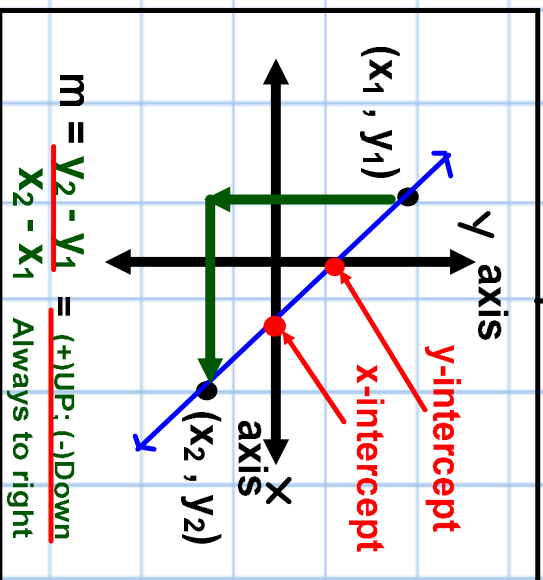
### Horizontal & Vertical



### Perpendicular & Parallel



**SLOPE**  
"m"  
**"Rise"**  
**"Run"**  
"Rate of Change"



## Graphing Equations

### Slope-intercept form

$y = mx + b$   
Start **y-int. b**, use **slope** (Up/Down, then right) to find 2nd point.

### Standard Form

$Ax + By = C$   
Can Graph by intercepts  $(x, 0)$  and  $(0, y)$

x-int.  $Ax + B(0) = C$       y-int.  $A(0) + By = C$   
 $Ax = C$        $By = C$   
 $x = \frac{C}{A}$        $y = \frac{C}{B}$

### Point-Slope Form

$y - y_1 = m(x - x_1)$   
Plot **point given**, then use **m** (similar to  $y = mx + b$ )

Vertical Line  $x = a$       Horizontal Line  $y = b$

A line goes through x-axis @ point a.      A line goes through y-axis @ point b.