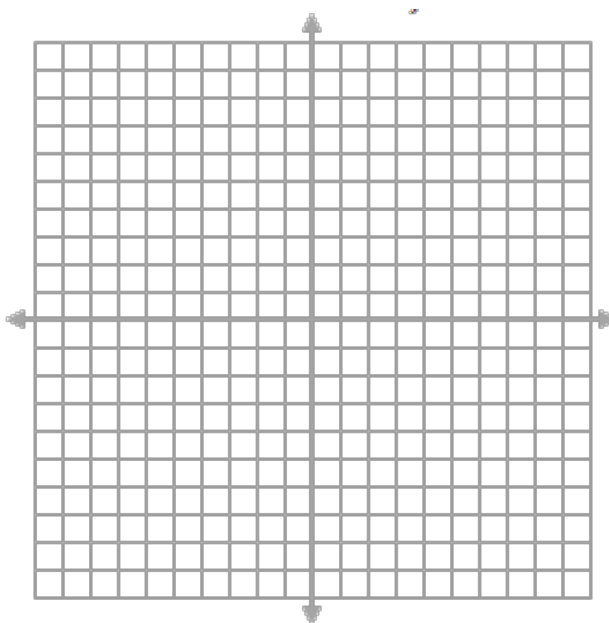


## Graphing

- table of values
- zeros
- rise over run and intercept

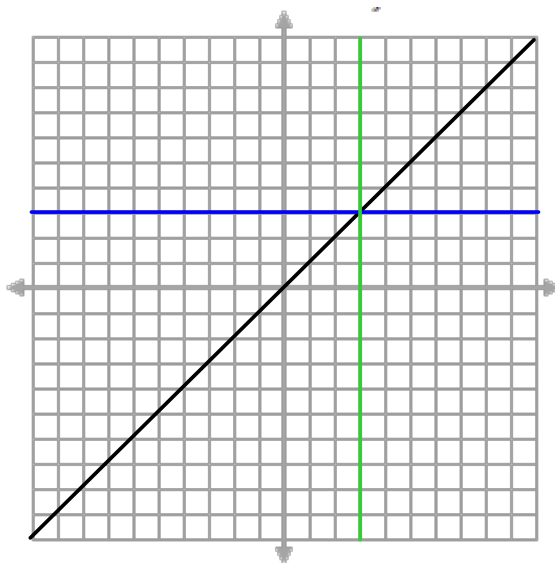
$$y = 2x + 4$$

$$y = -\frac{3}{2}x + 4$$



## Slope of a Line

- ratio of vertical vs. horizontal change of a line (rise over run)



## Equation of a Line

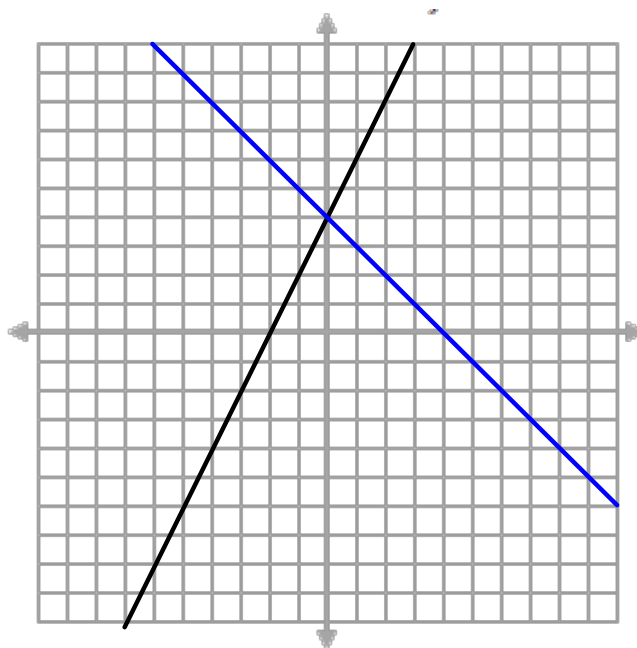
$$y = ax + b$$

a =

b =

Given a line...

1. Pick two points
2. Find the slope
3. Plug in the slope and a point into  $y = ax + b$
4. Find b



## Finding Points of Intersection: Two Lines

### Graphing

- look at where the two lines meet, this is your point of intersection: write the coordinates