

## Ch 3 Mini Systems Overview

I. Systems 2 or more functions on  
Same graph/problem/what ever

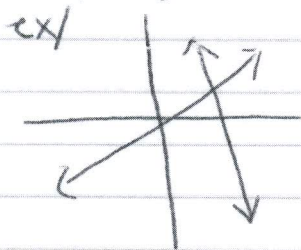
Looks Like  $\begin{cases} x+y=7 \\ 2x+3y=18 \end{cases}$

3 ways to solve:

Substitution - plug in one equation to other

Elimination - Add equation to cancel variable

Graphing -



II. 3 types of answers

Consistent		Inconsistent
one solution Independent	In finitely many Dependent	No solution (same slope Different inter-)