

Algebra 11-1 Introduction to Systems

Word	Definition	Example
System of Equations	-more than one equation And	Sy= 2x+1 y= 5x-8
Solution of a System	-> where the lines intersect -> The point is the solution. Note: Parallel Lines	(× , y) X=
	Note: Parallel Lines have No Solution.	y=

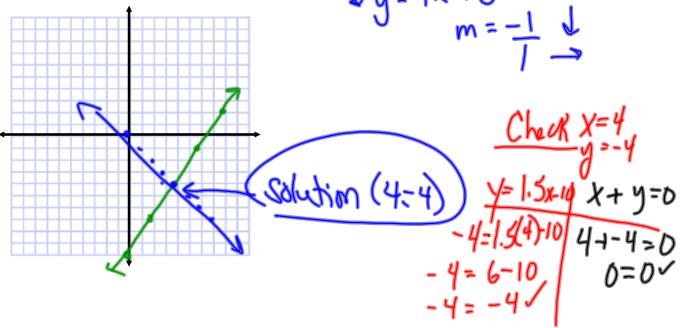
Finding Solutions by Graphing

- 1. Graph each equation.
 - 1. Graph by making a Table OR
 - 2. Graph by using y= where m = Sope and b = ginkrept.
- 1. The point of increase is the Solution
 - * If the lines do not intersect, then there is **b Solution**.

Examples

1. Find the solution to the system.

y = 1.5x - 10 y = 3x - 10 x + y = 0 y = 4x + 0 m = -1



2. Find the solution to the system.

$$y = 3x - 1$$

 $y = 3x + 2$

