

GOAL: Solve systems of linear equations exactly and approximately.

What is it??

A system of equations is two equations, both with two variables! Our goal will be to find an ordered pair that (x,y) "satisfies" both equations!

Today, we will do this by graphing!

Example 1!

Consider the system:

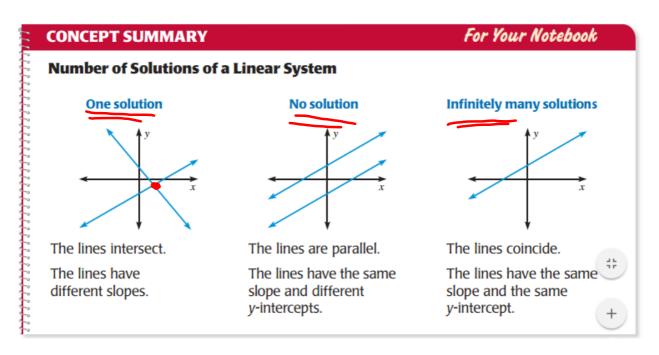
$$y = 3x - 7$$

 $2y - 2x = 10$

Show that (6, 11) is a solution to the system, and that (1, -4) is not a system

$$\gamma = 3x - 7$$
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Quick Review



Solve the system by graphing!

$$y - 3x = -4$$
 $y = 2x - 1$
 $y = 3x - 4$
 $y = 2x - 1$
 y

Solve the system by graphing!

$$3x + 6y = 0$$

$$3x + 6y = 0$$

$$y = 4x + 9$$

$$y = -3x$$

$$y = -3x$$

$$y = -2x + 0$$

$$y = 4x + 9$$

$$y = -4x + 9$$

$$y = -4x + 9$$

$$y = -4x + 9$$

$$y = 4x + 9$$

$$y =$$

Homework 6.1:

p.372-373: #3-5,8-10,12-14,22