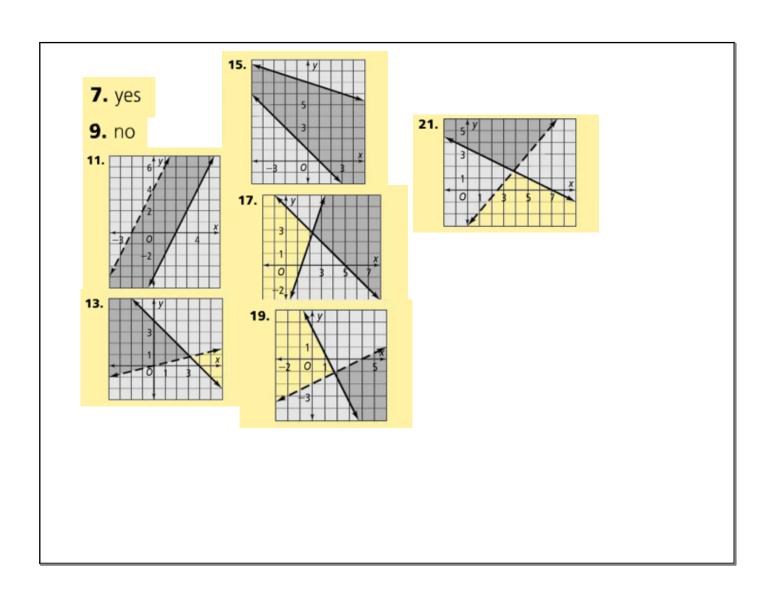
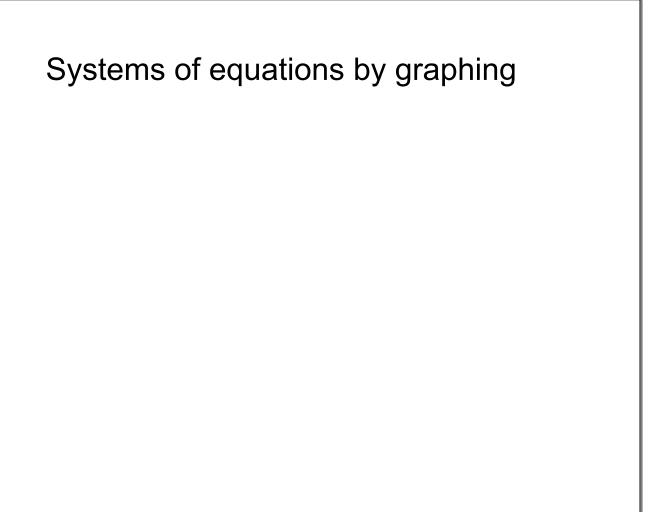
Graph the following systems of inequalities and list

three possible solutions

$$y > 3x - 9$$
 (0,0)

$$y \le -\frac{2}{3}x + 6$$
 (-|,-|)





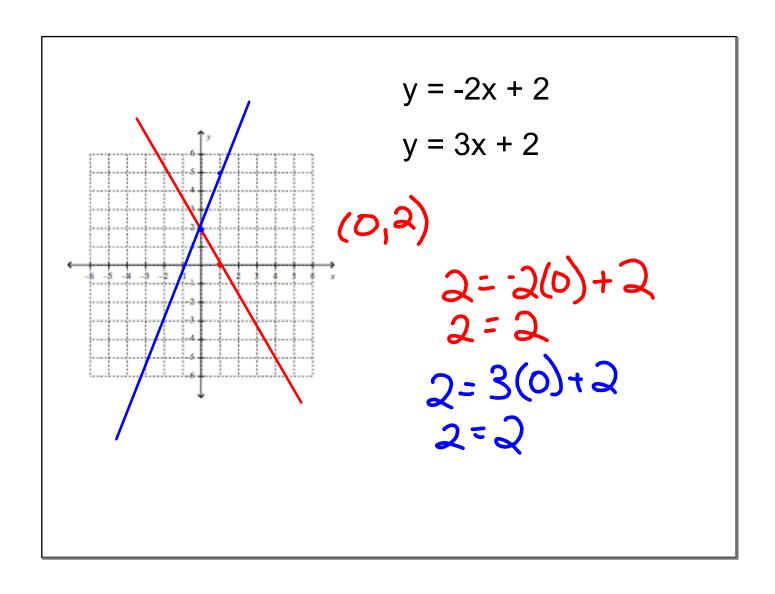
System of linear equations - two or more linear equations

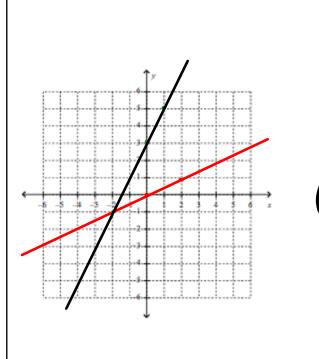
A solution to a system - an ordered pair that is true for all equations

When graphing systems - the point of intersection is the solution to the system

	Type of lines	Number of solutions
Different Slopes	× many	)
Same Slope and different y- intercept	//parallel	ф
Same slope and same y -intercept	Same line	infinite







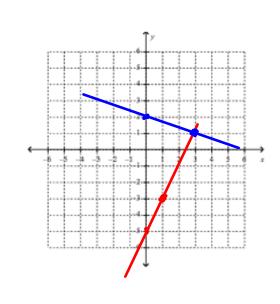
$$y = 2x + 3$$

$$y = \frac{1}{2}x$$

$$y = 2x + 3$$

$$y = \frac{1}{2}x$$

$$(-2, -1)$$



$$y = 2x - 5$$

$$y = -\frac{1}{3}x + 2$$

$$(3/1)$$

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