## **Systems of Equations in Two Variables**

**Goal**: to solve linear systems of two equations and two unknowns by graphing.

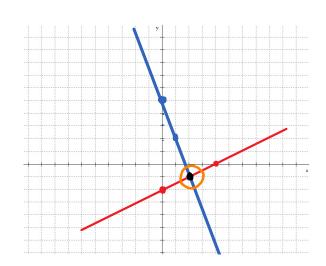
(ex) Solve by graphing:

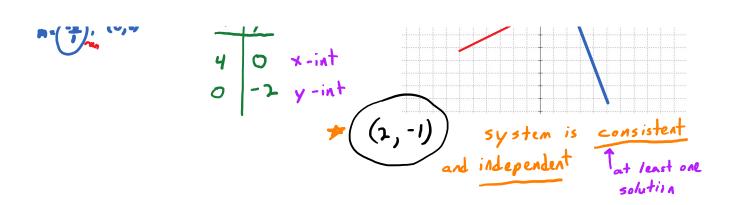
a) 
$$3 \times +0 = 5$$

$$1 \times (2y) = 4$$

$$4 \cdot y = 5$$

$$1 \times -3x \cdot 5$$





b) 
$$2y - 8x = 10$$
  
 $y = 4x + 2$ 

$$y = 4x + 2$$

$$(0, 2)$$

$$y = 4x + 2$$

$$(0, 3)$$

$$m = 4$$

