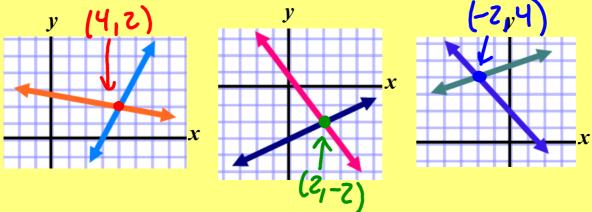
9.6 Solving Systems of Equations by Graphing

What is the solution of the following systems of equations?



The three above examples are called <u>consistent independent</u> systems because the lines are <u>distinct</u> (meaning independent) and <u>intersect</u> (meaning consistent).

Decide whether the ordered pair is a solution of the system of linear equations.

1.
$$-x + y = -2$$
 (-4, -2)
 $2x + y = 10$

2.
$$3x + y = 11$$

 $x - 2y = 6$ (4, -1)

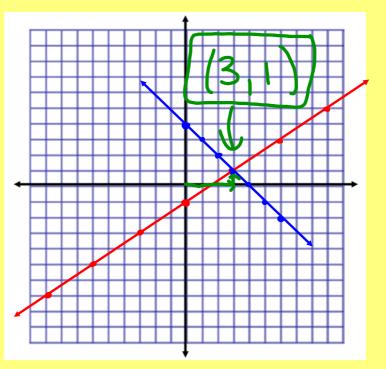
Solve the system of equations by graphing.

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

$$2y = 3x + 4$$

$$0 m = \frac{2}{3}$$

$$69 \text{ m} = -1 = -\frac{1}{4}$$



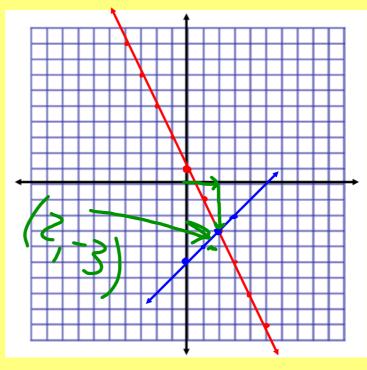
Solve the system of equations by graphing.

4.
$$y = -2x + 1$$

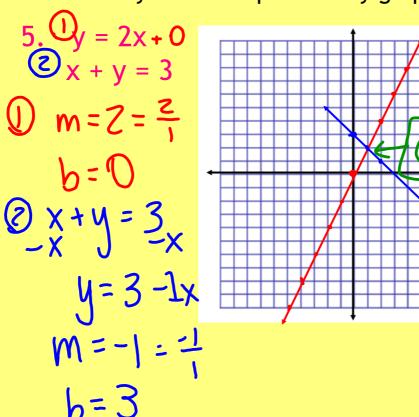
 $y = 1x - 5$

①
$$M = -2 = \frac{-2}{1}$$

$$b = 1$$
 $m = 1 = \frac{1}{1}$
 $b = -5$



Solve the system of equations by graphing.



Solve the system of equations by graphing.

