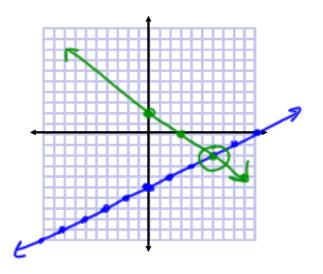
## Solving Systems of Equations

Solve the system of equations by graphing. Ex. 1

$$y = \frac{1}{2}x - 5$$
$$y = -\frac{2}{3}x + 2$$

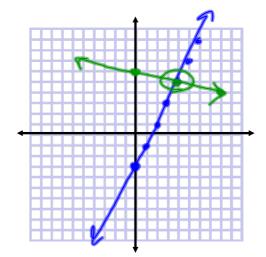


Ex. 2 Solve the system of equations by graphing.

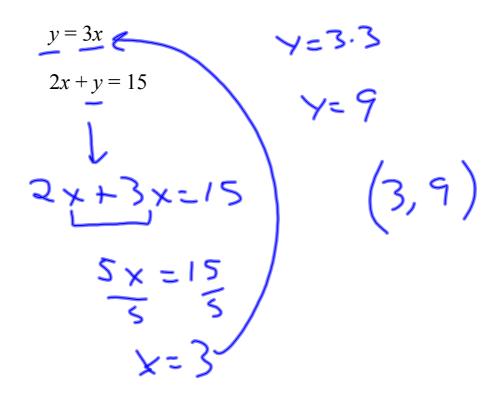
$$y = 2x - 3$$

$$y = -\frac{1}{4}x + 6$$

$$(4, 5)$$



Ex. 3 Solve the system of equations.



Ex. 4 Solve the system of equations.

$$y = 4x$$

$$3x + 2y = 88$$

$$3 \times + 2 (4 \times) = 88$$

$$3 \times + 8 \times$$

$$1/ \times = 8$$

$$x = 8$$

$$y = 4. 8$$

$$y = 3.2$$

$$(8,3.7)$$

Ex. 5 Solve the system of equations.

$$3x + y = 13$$

$$5x - y = 27$$

$$8 = 40$$

$$7 - 5 + 7 = 13$$

$$9 = 27$$

$$15 + 7 = 13$$

$$9 = -2$$

$$15 + 7 = 13$$

$$9 = -2$$

$$15 + 7 = 13$$

$$15 + 7 = 13$$

$$15 + 7 = 13$$

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Ex. 6 Solve the system of equations.

$$-2x + 5y = 18$$

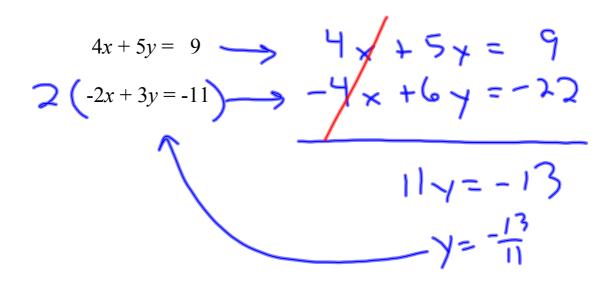
$$-2x + 5 \cdot 4 = 18$$

$$-2x + 5 \cdot 4 = 18$$

$$-2x + 5 \cdot 4 = 18$$

$$-2x + 30 = 18$$

Ex. 7 Solve the system of equations.

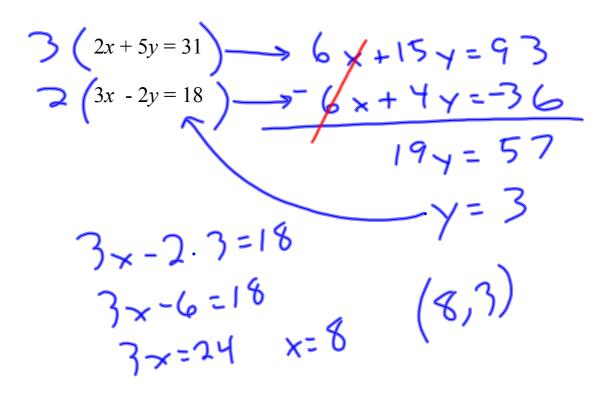


Ex. 8 Solve the system of equations.

$$7x + 6y = 17$$

$$2x - 3y = 19$$

Ex. 9 Solve the system of equations.

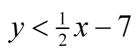


Ex. 10 Solve the system of equations.

$$7x + 4y = 50$$

$$2x - 5y = -41$$

Solve the system of inequalities. Ex. 11



$$y \ge -3x + 5$$

