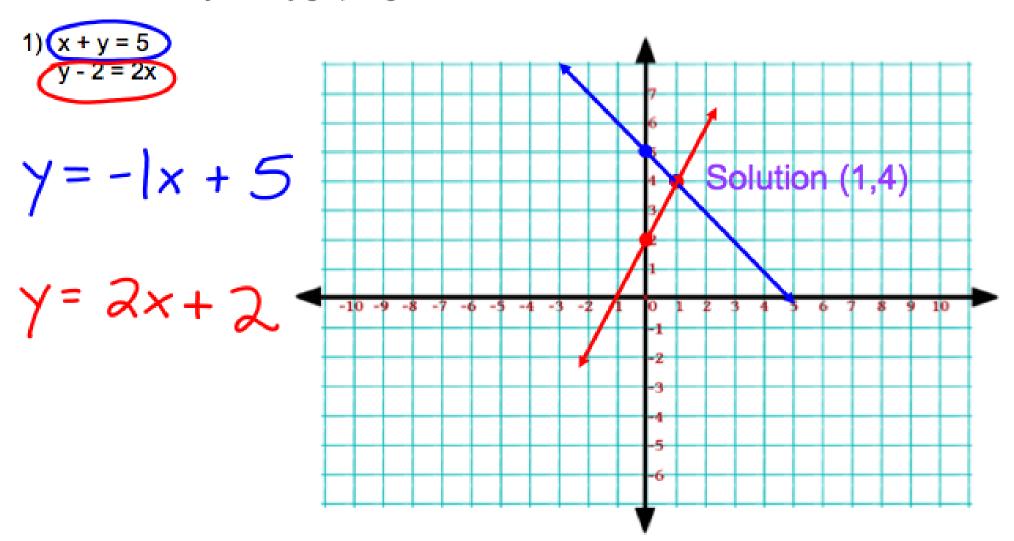
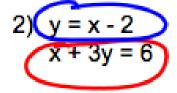
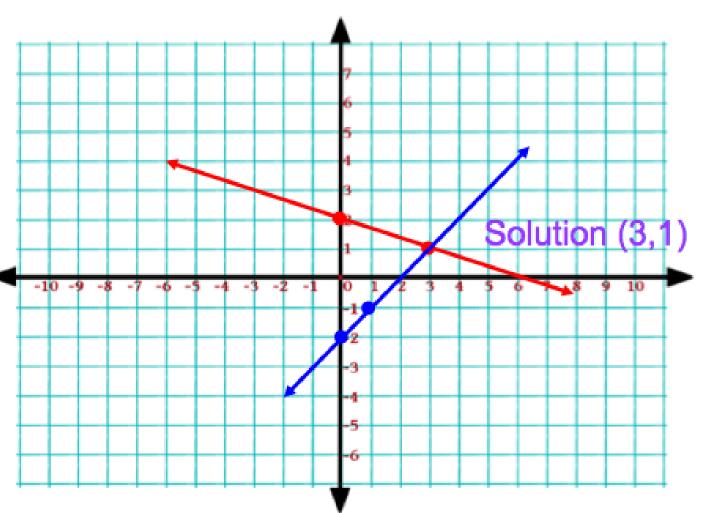
Solve the linear system by graphing.



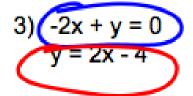
Must get the equations into slope-intercept form; y = mx + b slope y-intercept Solve the linear system by graphing.

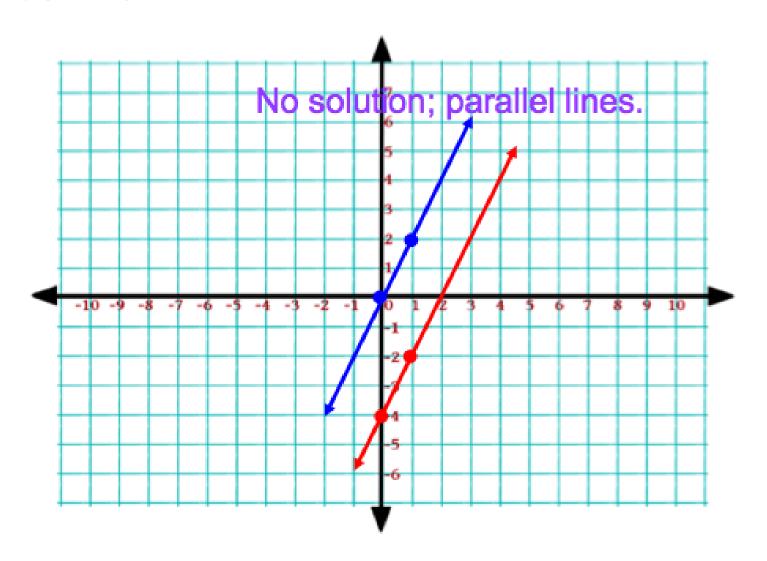


$$\frac{3y = -1x + 6}{3}$$



Solve the linear system by graphing.





Michael has 9 bills in his wallet.

Those bills are \$5s and \$10s.

The total amount in his wallet is \$60.

Write a system of equations for this situation. Then solve by graphing. Explain the solution.

Must write the equations into slope-intercept form for graphing.

$$x = $5 \text{ bills}$$

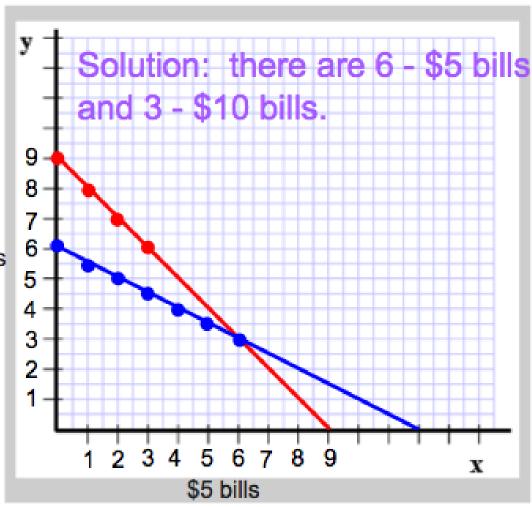
 $y = 10 bills

$$5x + 10y = 60$$

 $x + y = 9$

$$\frac{10}{7} = \frac{5}{5} \times + \frac{60}{10}$$
 $\frac{10}{7} = \frac{5}{10} \times + \frac{60}{10}$
 $\frac{10}{7} = \frac{1}{10} \times + \frac{60}{10}$

\$10 bills



Solve the linear system using the substitution method.

You are buying the meat for a cookout. You need to buy 8 packages of meat. A package of hotdogs cost \$1.89 and a package of hamburgers cost \$5.19. You spend \$31.62 at the store. Using a system of equations, find the number of packages of each type of meat.

x = packages of hotdogsy = packages of burgersEquations:

$$1.89x + 5.19y = 31.62$$

 $x + y = 8$
 $x = 8$

$$1.89(8-\gamma) + 5.19\gamma = 31.67$$

 $15.12 - 1.89\gamma + 5.19\gamma = 31.67$
 $15.12 + 3.3\gamma = 31.62$
 $3.3\gamma = 16.5$

You bought 3 packages of hotdogs and 5 packages of burgers.