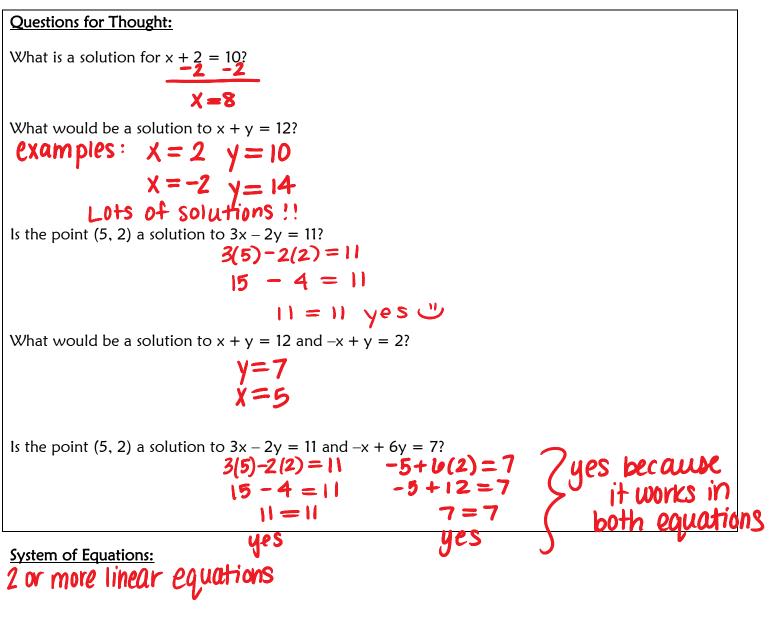
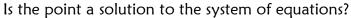
Algebra G Key Chapter 7.1 Notes

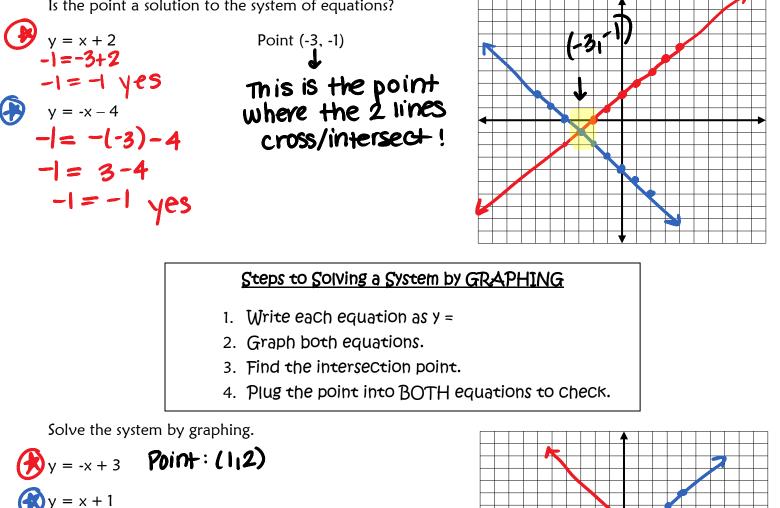


an ordered pair that works in all linear equations

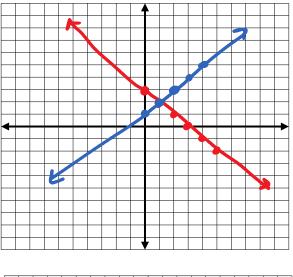
Try on your own! Is the point a solution to the system of equations?

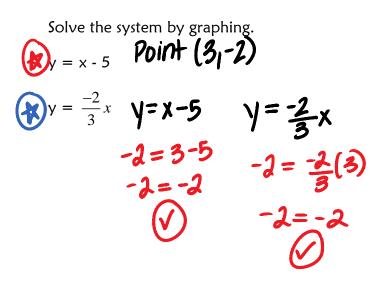
 $y = x + 4 \quad 0 = -4 + 4 \implies 0 = 0 \implies y es !$   $y = x - 3 \quad 0 = -4 - 3 \implies 0 = -7 \implies No !$ Point (-4, 0) because it does not work in both, not a solution!

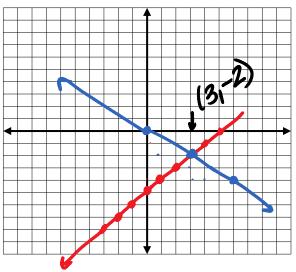




Check: 
$$y = -x + 3$$
  $y = x + 1$   
 $2 = -1 + 3$   $2 = 1 + 1$   
 $2 = 2 \checkmark$   $2 = 2 \checkmark$ 

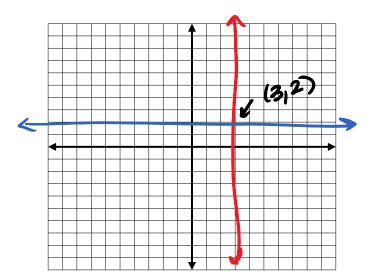




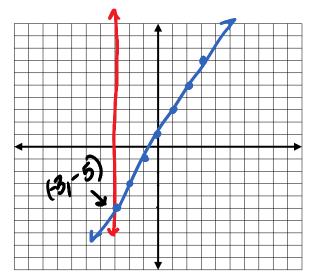


Solve the system by graphing.  

$$x = 3$$
  
 $y = 2$   
 $y = 3$   
 $y = 3$ 



Solve the system by graphing.  
() 
$$x = -3$$
 (2)  $y = 2x + 1$   
 $x = -3$  (2)  $y = 2x + 1$   
 $-3 = -3$  (2)  $y = 2x + 1$   
 $-3 = -3$  (2)  $-5 = 2(-3) + 1$   
 $-5 = -5$ 



Solve the system by graphing.

$$(x + y = 4 \implies y = 4 - x)$$

$$(x + y = 4 \implies y = 4 - x)$$

$$(x + y = 5 \implies y = 5 - 2x)$$

$$(y = 4 + y = 5)$$

$$(x + y = 4 + 2x + y = 5)$$

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