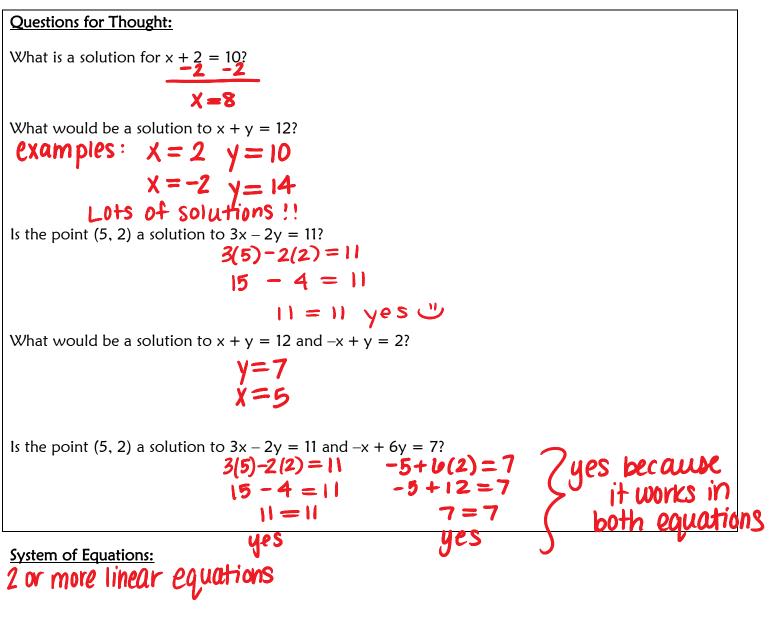
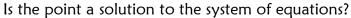
Algebra G Key Chapter 7.1 Notes

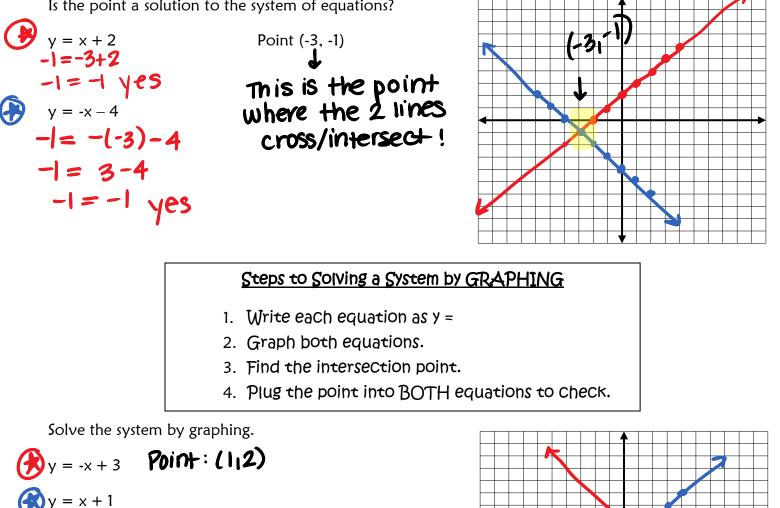


an ordered pair that works in all linear equations

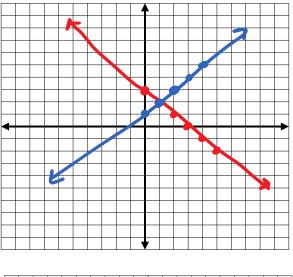
Try on your own! Is the point a solution to the system of equations?

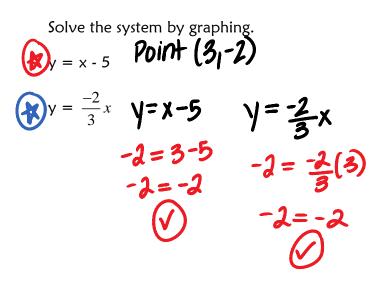
 $y = x + 4 \quad 0 = -4 + 4 \implies 0 = 0 \implies y es !$ $y = x - 3 \quad 0 = -4 - 3 \implies 0 = -7 \implies No !$ Point (-4, 0) because it does not work in both, not a solution!

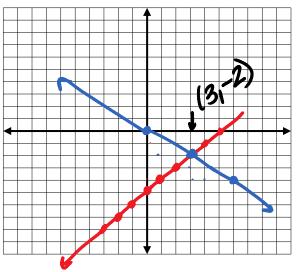




Check:
$$y = -x + 3$$
 $y = x + 1$
 $2 = -1 + 3$ $2 = 1 + 1$
 $2 = 2 \checkmark$ $2 = 2 \checkmark$



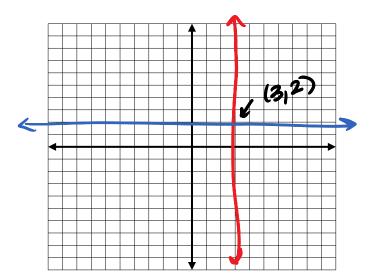




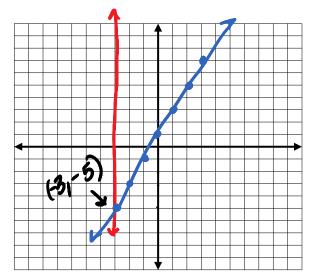
Solve the system by graphing.

$$x = 3$$

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



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.

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

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

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

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

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