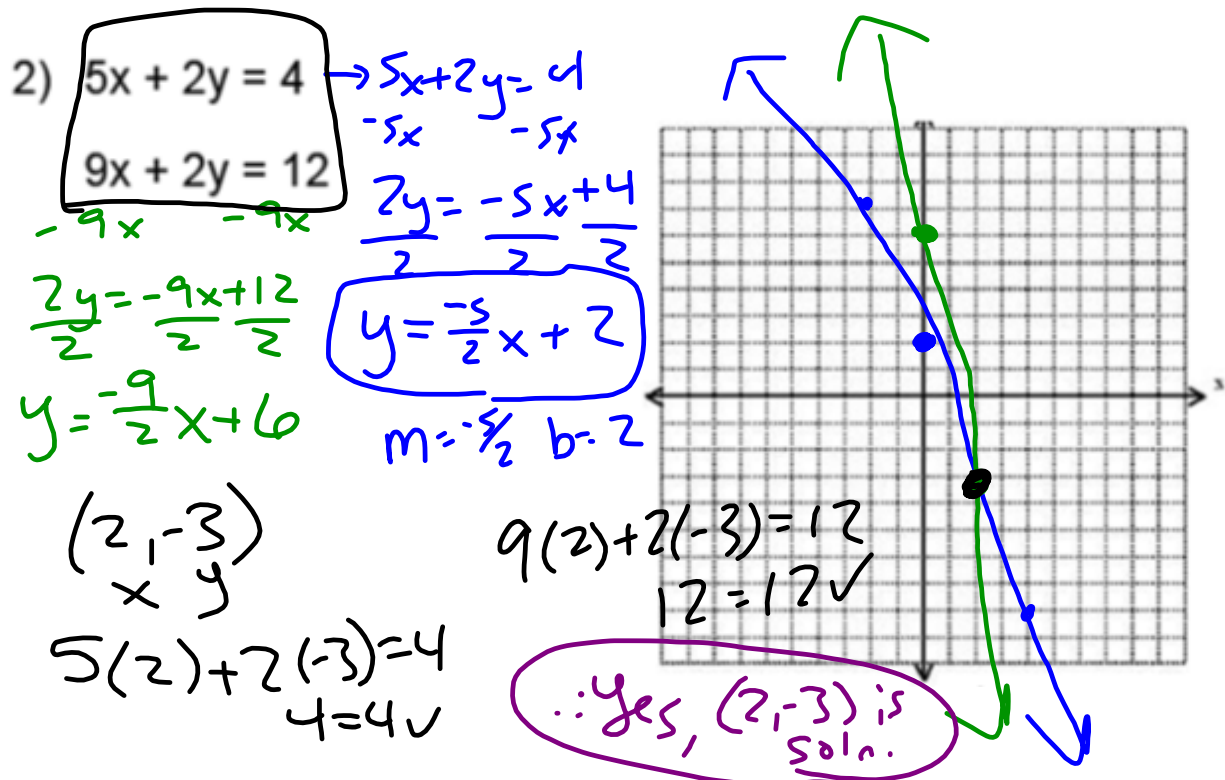


Warm Up

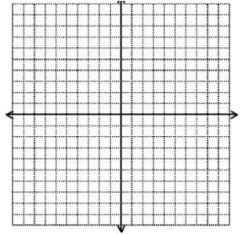
Do the two problems on the worksheet (p.79) on the table

Are you the solution?

Homework Questions?



2) $5x + 2y = 4$
 $9x + 2y = 12$

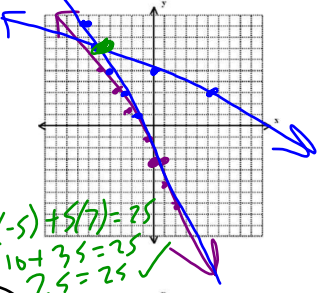
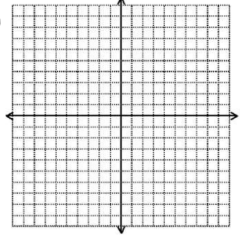


3) $y = -2x - 3$ $m = -2$ $b = -3$
 $2x + 5y = 25$
 $-2x \quad -2x$
 $\frac{5y = -2x + 25}{5} \quad \frac{-2x}{5} \quad \frac{25}{5}$
 $y = \frac{-2}{5}x + 5$ $m = -\frac{2}{5}$ $b = 5$

$(-5, 7)$ $7 = -2(-5) - 3$ $2(-5) + 5(7) = 25$
 $\times y$ $7 = 7 \checkmark$ $-10 + 35 = 25$
 $25 = 25 \checkmark$

4) $y = 3x + 4$
 $7x - 3y = -6$

\therefore Yes, $(-5, 7)$ is soln.

Chapter 7 - Algebra 1.5
 7.1 Solving Linear Systems by Graphing
 Page 5

4) $y = 3x + 4$ $m = 3$ $b = 4$

$7x - 3y = -6$
 $-7x \quad -7x$
 $-3y = -7x - 6$
 $\frac{-3y}{-3} = \frac{-7x - 6}{-3}$

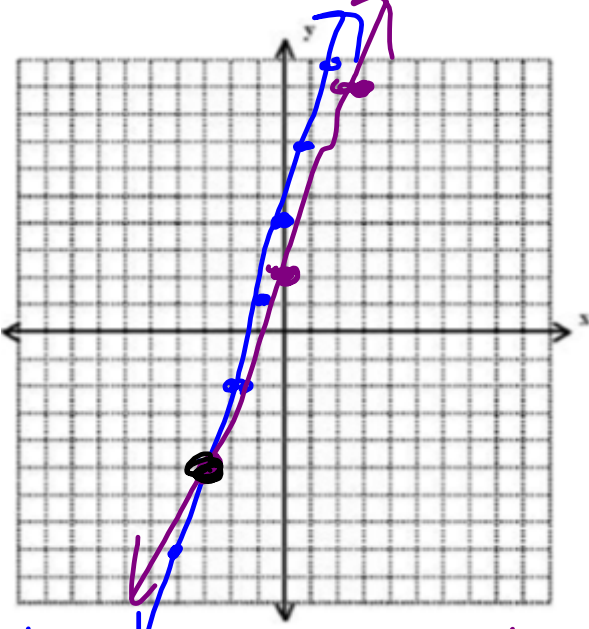
$y = \frac{7}{3}x + 2$

$m = \frac{7}{3}$ $b = 2$

$(-3, -5)$
 $\times y$

$-5 = 3(-3) + 4$ $7(-3) - 3(-5) = -6$
 $-5 = -5 \checkmark$ $-6 = -6 \checkmark$

Yes, $(-3, -5)$ is soln.



Summary

EQ: What are the steps to solve a system by graphing?

- 1) $y = mx + b$
 - 2) Graph $m =$
 $b =$
 - 3) pt of intersect (x, y)
 - 4) ✓ pt in original eqns
- $x = \# \updownarrow$
 $y = \# \leftarrow \rightarrow$

7.1 Homework

Finish Solving Systems by Graphing wkst
#1-20