

example 3

(no solution)

example 4

(infinitely many solutions)

example 1

(one solution)

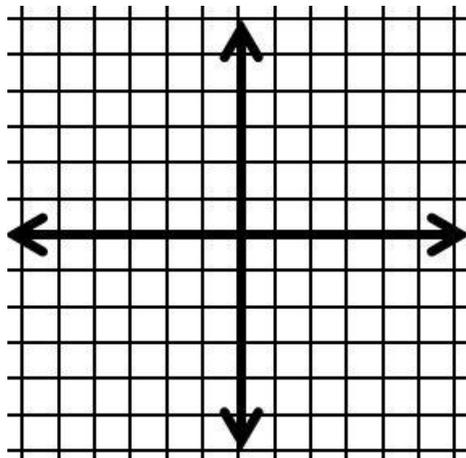
example 2

(one solution)

example 1:

Solve the following system of linear equations by graphing.

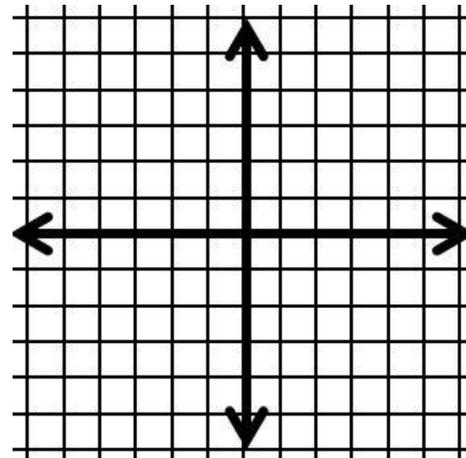
$$\begin{cases} y = \frac{1}{3}x - 3 \\ 2x + y = 4 \end{cases}$$



example 2:

Solve the following system of linear equations by graphing.

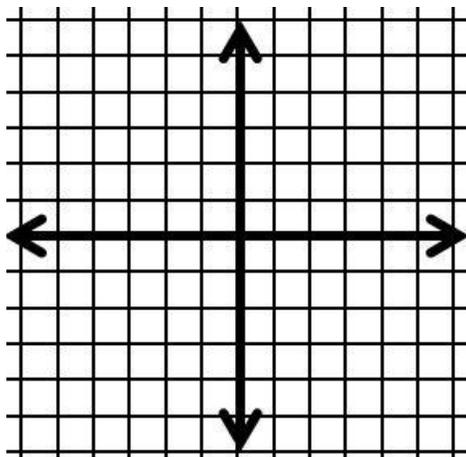
$$\begin{cases} 2x + y = -1 \\ 3y - 15 = 3x \end{cases}$$



example 3:

Solve the following system of linear equations by graphing.

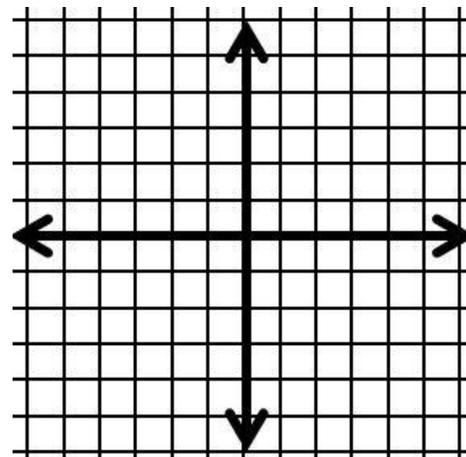
$$\begin{cases} y = -3x + 2 \\ 3x + y = -4 \end{cases}$$



example 4:

Solve the following system of linear equations by graphing.

$$\begin{cases} -x + 2y = -2 \\ 4y = 2x - 4 \end{cases}$$



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example 1

(one solution)

example 2

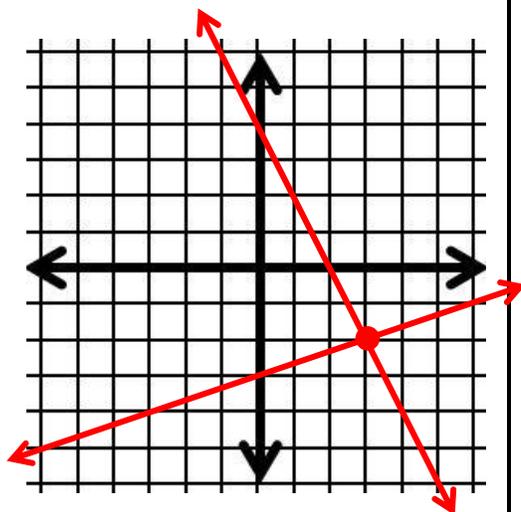
(one solution)

example 1:

Solve the following system of linear equations by graphing.

$$\begin{cases} y = \frac{1}{3}x - 3 \\ 2x + y = 4 \end{cases} \rightarrow y = -2x + 4$$

Solution:
(3,-2)

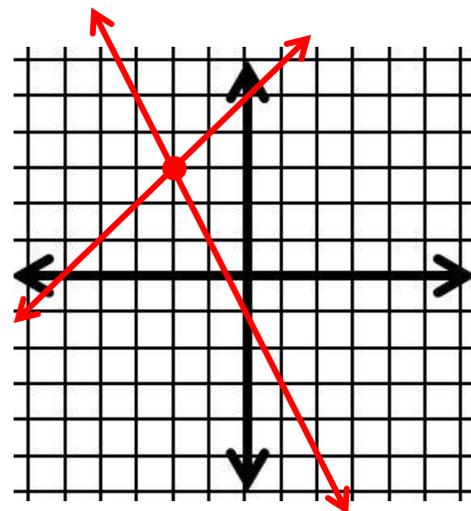


example 2:

Solve the following system of linear equations by graphing.

$$\begin{cases} 2x + y = -1 \rightarrow y = -2x - 1 \\ 3y - 15 = 3x \rightarrow y = x + 5 \end{cases}$$

Solution:
(-2,3)



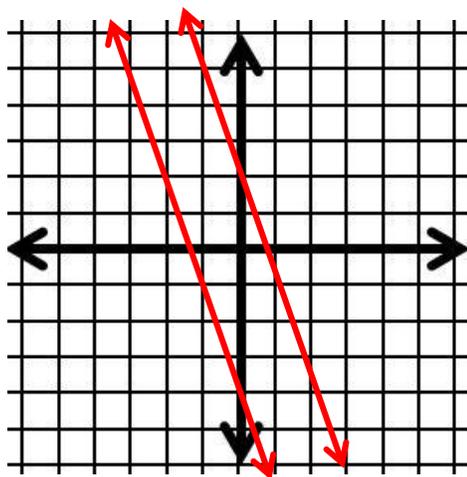
example 3:

Solve the following system of linear equations by graphing.

$$\begin{cases} y = -3x + 2 \\ 3x + y = -4 \end{cases} \rightarrow y = -3x - 4$$

NO SOLUTION

- *same slope
- *different y-intercept
- *the lines are **parallel**



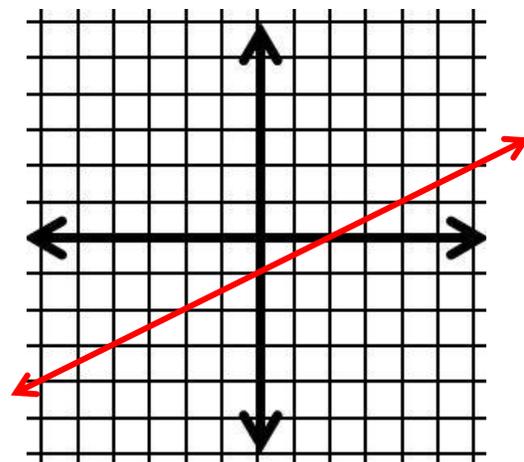
example 4:

Solve the following system of linear equations by graphing.

$$\begin{cases} -x + 2y = -2 \rightarrow y = \frac{1}{2}x - 1 \\ 4y = 2x - 4 \rightarrow y = \frac{1}{2}x - 1 \end{cases}$$

INFINITELY MANY SOLUTIONS

- *same slope
- *same y-intercept
- *the lines are **exactly the same**



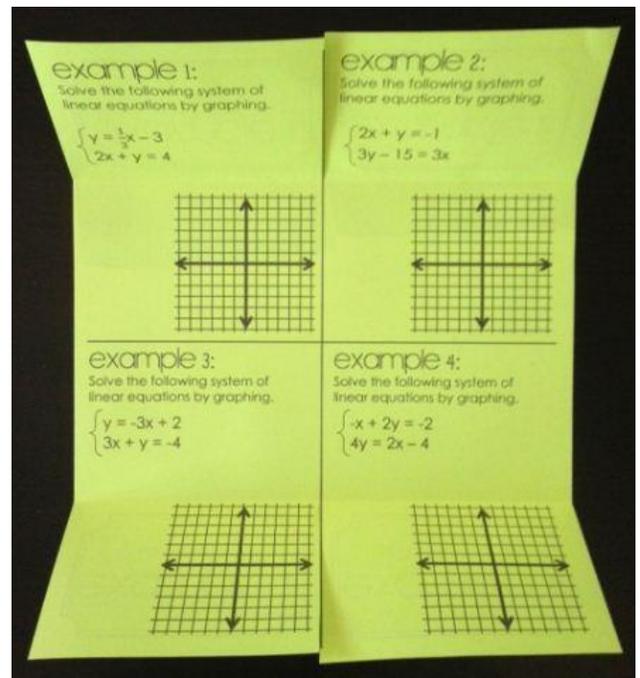
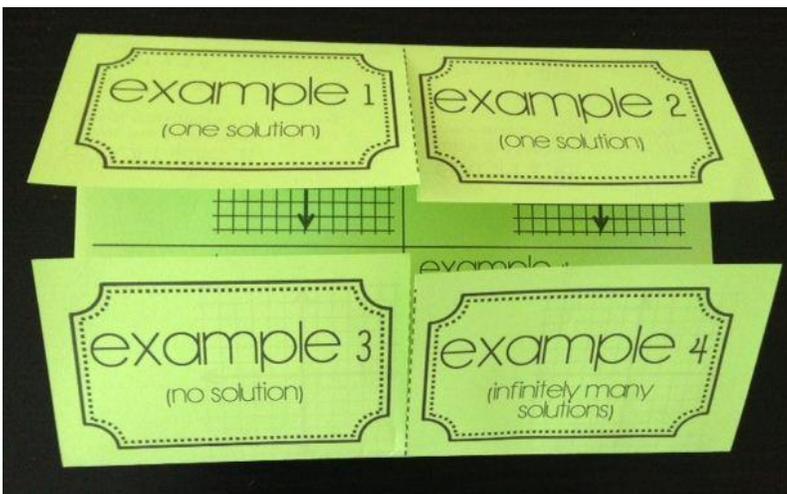
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DIRECTIONS:

Print pages 1 & 2 so that the text is facing in opposite directions (my printer has the option to print front to back & flip pages on the short edge).

NOTE: If the pages don't line up properly try using a different printer. I have the best luck printing on my personal printer. Sometimes if I print the pages at school, the printer alters the margins and the lines don't end up matching up like they are supposed to!

The foldable should look like this:



Thank you for your purchase! Please leave feedback on TPT. If there is a problem please email me before leaving negative feedback (ljudd1@gmail.com). I would rather remedy the issue than receive negative reviews!
Thank you!!!

~Lisa Davenport