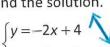


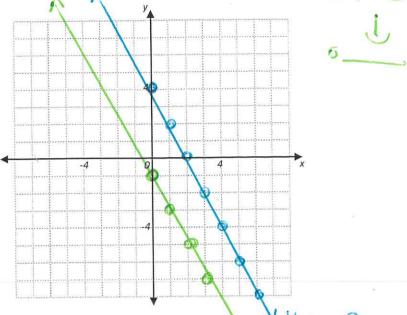
TWIST

Graph the systems of equations and find the solution. 6.









- 7. What do you notice about these lines?
- What is the solution and why? _______ 8.
- 9. Do you think this will always be true of a system of parallel lines? Why or why not?



10. Determine if the following points are on the line
$$y = \frac{1}{2}x + 3$$
.

$$-1 = \frac{1}{2}(1) + 3$$

$$-1 = \frac{1}{2}(2) + 3$$

$$-1 = \frac{1}{2}(2) + 3$$

$$-1 = 3.5$$

$$4 = 1 + 3$$

$$4 = 4$$

$$5 = \frac{1}{2}(4) + 3$$

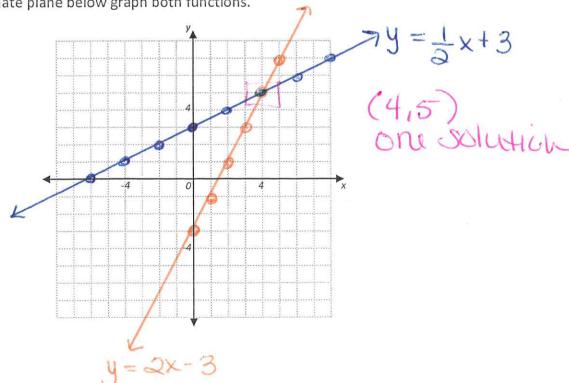
 $5 = 2 + 3$

5=5 yes

11. Determine if the following points are on the line
$$y = 2x - 3$$
.

Do you think these lines will intersect? Why? yes, they share the Same ordered pair





& LOCK IT IN.

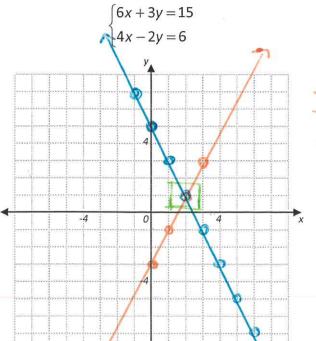
14. Graph the systems of equations and find the solution.

$$40x + 3y = 15$$

$$-6x$$

$$3y = -6x + 15$$

$$3$$



- 4x-2y=6 -4x
- -2y=-4x+6
- y = 2x 3
- (2,1)
- 46x+3y=15

15. Graph the systems of equations and find the solution.

$$2x+4y=12$$

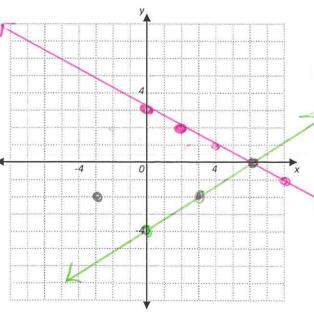
$$-2x$$

$$\frac{4y = -2x + 12}{4}$$

$$y = -\frac{1}{2}x + 3\sqrt{1}$$

$$\begin{cases} 2x + 4y = 12 \\ 6y - 4x = -24 \end{cases}$$

4x-24=4



$$y = -\frac{1}{2}k + 3$$

(4,0)

One solution