

Please go to your groups. Work on all bellwork. I will be assigning each group a specific problem to present. I will also give you a new bellwork paper.

10/6 System of Equations  
by Graphing:

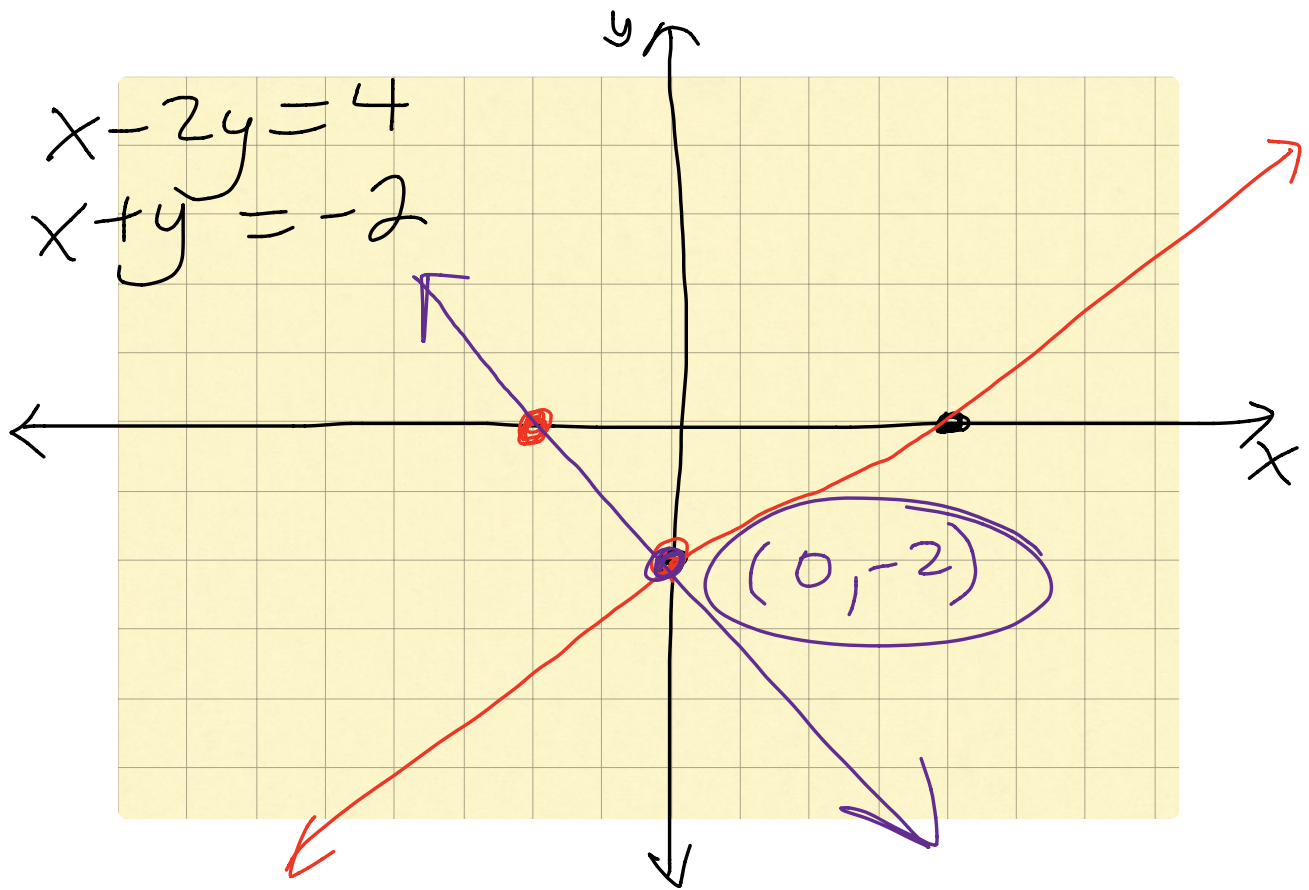
EX. 
$$\left. \begin{array}{l} x - 2y = 4 \\ x + y = -2 \end{array} \right\} \begin{array}{l} 2 \text{ variables} \\ 2 \text{ equations} \end{array}$$

Linear

"solve"  $\rightarrow (x, y)$

$\rightarrow$  point of intersection of  
2 lines

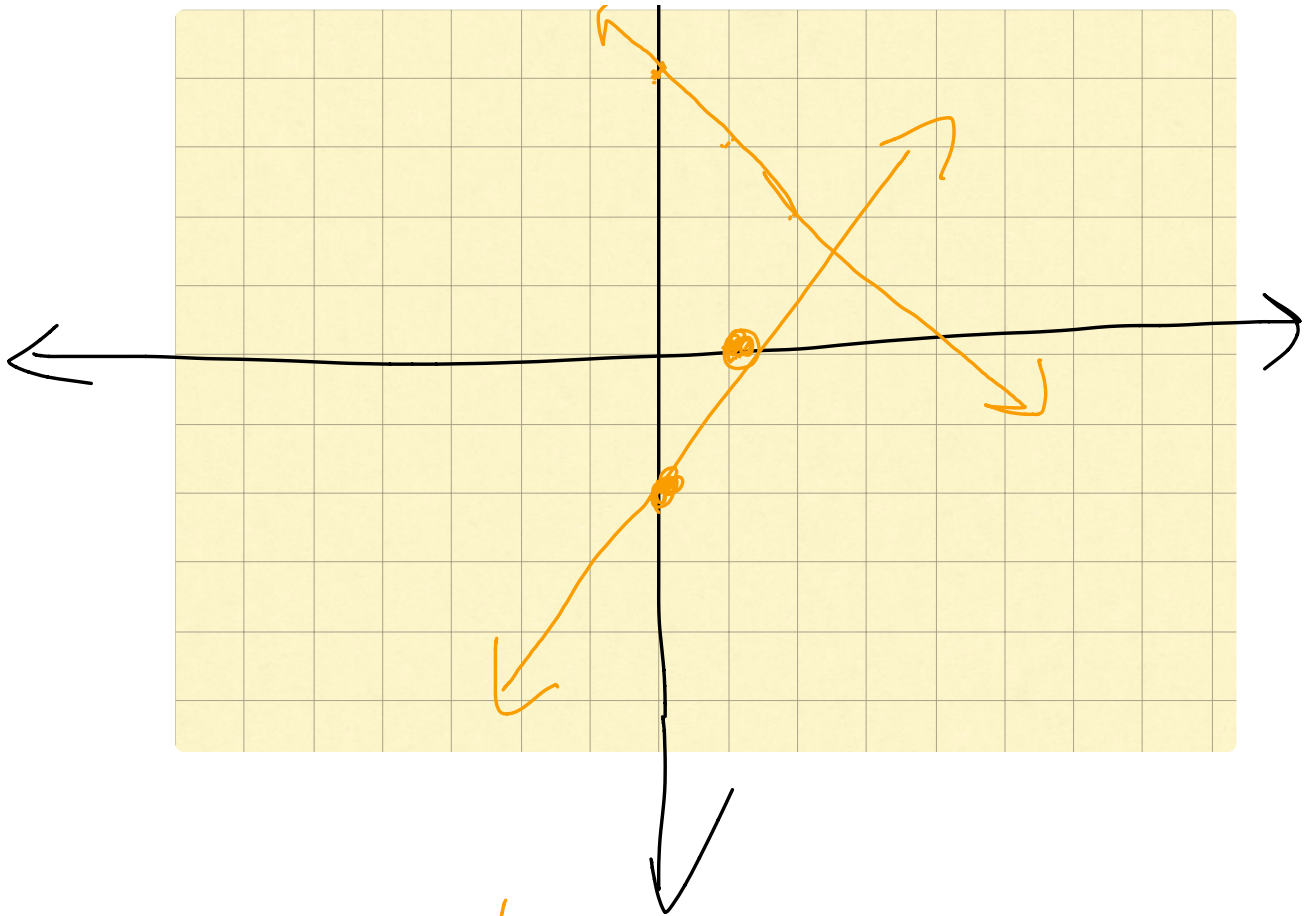
Two lines  $\rightarrow$  one point  
no points (parallel)  
all points (same line)



Ex. Solve by graphing:

$$y = 2x - 2$$
$$y = -x + 4$$





TI-83/84  
 $y_1 = 2x - 2$   
 $y_2 = -x + 4$   
ZOOM - 6

2<sup>nd</sup> TRACE

5: Intersect

1<sup>st</sup> curve? enter

2<sup>nd</sup> curve? enter

Guess? ← → close enter

Free Graphing Calc