MDI -

Is the ordered pair a solution to the system?

(-1,4)

$3x + 2y = 5$
$x - y = -5$

Solving Systems of Equations: GRAPHING

Learning Intentions - To understand the graphical interpretations of a system of equations.

Success Criteria - I can solve a system of linear equations by graphing.

PLICKERS QUICK CHECK

LETS FINISH THIS FOR OUR NOTES!

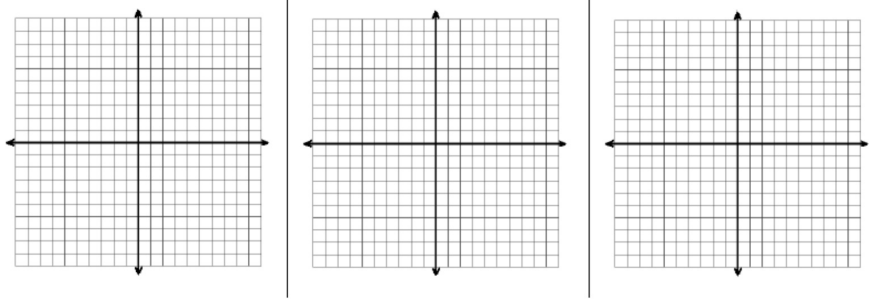
GRAPHICALLY **GRAPHICALLY** **GRAPHICALLY**

Re-write these in y=mx+b before graphing!

$\begin{cases} y = x + 3 \\ 2y - 6 = 2x \end{cases}$

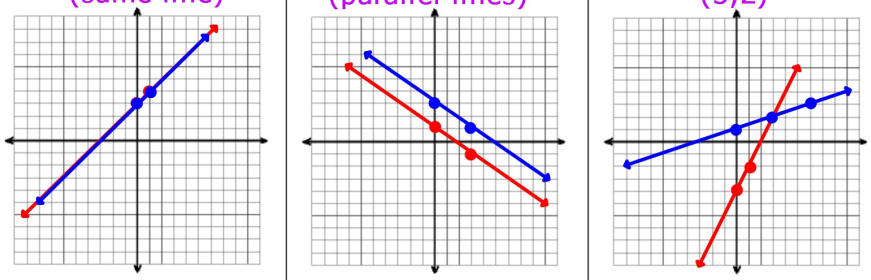
$\begin{cases} y = -\frac{2}{3}x + 1 \\ 2x + 3y = 9 \end{cases}$

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



LETS FINISH THIS FOR OUR NOTES!

GRAPHICALLY	GRAPHICALLY	GRAPHICALLY
$\begin{cases} y = x + 3 \\ 2y - 6 = 2x \end{cases}$	$\begin{cases} y = -\frac{2}{3}x + 1 \\ 2x + 3y = 9 \end{cases}$	$\begin{cases} 2x - y = 4 \\ y = \frac{1}{3}x + 1 \end{cases}$
Infinite solutions (same line)	No solution (parallel lines)	One solution (3,2)



1. Complete yesterday's puzzle worksheet (if not done). This is due tomorrow.

2. Finish 4.9 worksheet, make any corrections necessary! This is due on Monday.

3. QUIZ TOMORROW! - Look over the steps for graphing a line

EXIT TICKET!!!!

Solve each system of equations by graphing.

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

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

2. $y = \frac{1}{4}x - 4$

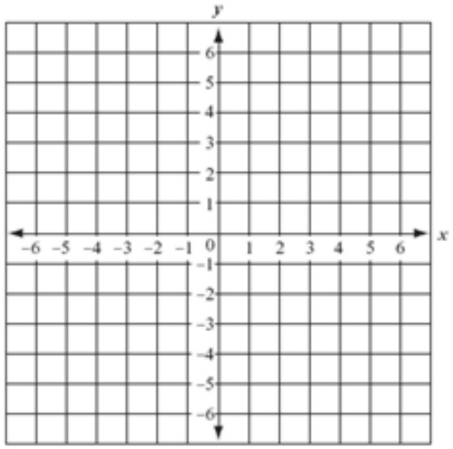
   $-7x - 4y = -16$

MDI - Graphing Systems of Equations

Find the solution to the following system by graphing.

x = 4

y = -1



Solving Systems of Equations: GRAPHING

Learning Intentions - To understand the graphical interpretations of a system of equations.

Success Criteria - I can solve a system of linear equations by graphing.

QUIZ