





## 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.

A<u>system of equations</u> is a collection of two or more equations with a same set of unknowns.

A <u>solution</u> of a system of linear equations is an ordered pair that satisfies EACH equation.

\*The ordered pair (x,y) has to work for BOTH equations\*

## For example:

(3,5) is a solution of both equations:

$$x+y=8$$
  
 $3+5=8$   
 $8=8$   
 $5x-2y=5$   
 $5(3)-2(5)=5$   
 $5=5$