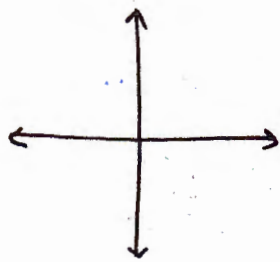


Unit 3// Lesson 1

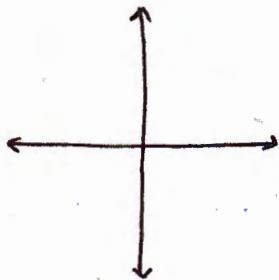
O: to solve a system by graphing

1 $-x + y = -2$
 $2x + y = 1$



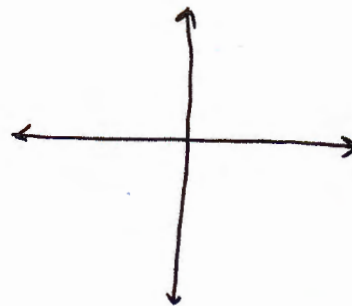
→ (1, -1)
one solution
"intersecting lines"

2 $-2x + y = 0$
 $-2x + y = 6$



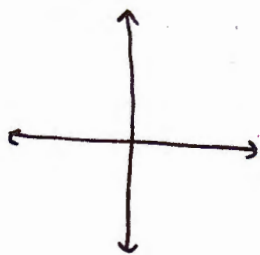
→ no solution
(parallel lines
don't touch)

3 $2y + 8x = 8$
 $y = -4x + 4$

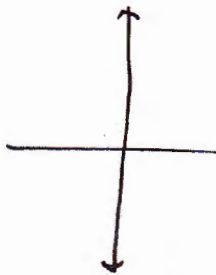


→ ∞ many solutions
(same line,
lots of points
in common)
"Coinciding lines"

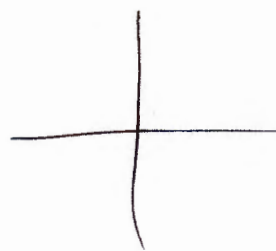
Ex 4.) $y = -2x - 1$
 $y = x + 5$



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



6.) $y = -2x - 1$
 $y = -x + 3$



Q: What does it mean to find the "solution" of a system?
to find where lines cross (or don't)

Q: Is graphing an accurate way to find a solution?
it depends, but not usually