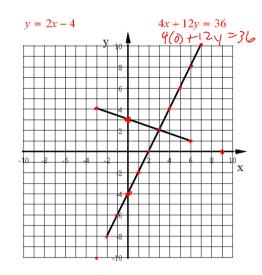
Solve this system of linear equations by graphing:



$$y-inT = 3$$

 $y-inT = 9$

Solutions to a system of linear equations

One Solution: Lines intersect

Different Slope

No Solution: Lines are Parallel -Same Slope Different y-int

Many Solutions: Same line —— Same Slope Same y-int

Solutions to a system of linear equations:

How many solutions are possible? One, None, or Many

Without graphing tell if each system of equations has One Sol, Two Sol's, or No Sol.

1.
$$y = 4x - 11$$
 $m = 4$
 $y = 4$ $m = 0$
 $\sqrt{= 0}$

1.
$$y = 4x - 11$$
 $m = 4$ 2. $y = 3x - 2$ $m = 2$ $m = 3x - 2$ $m =$

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

 $y = -3x+1$

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

 $y = -3x+1$
4. $y = 8x+7$ $m = 8$
 $8x-4y = 28$ $m \neq 8$

