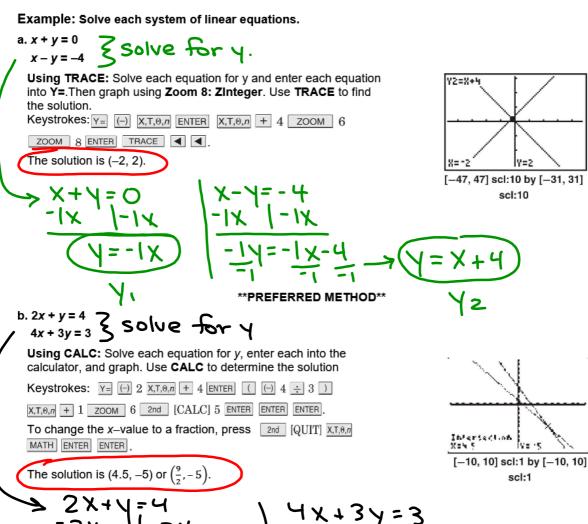
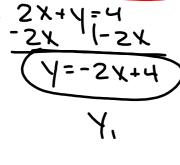
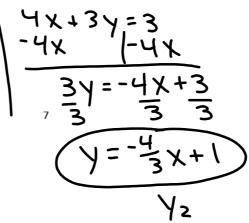
5-1 day 3

Graphing Calculator Activity Solution to a System of Linear Equations

A graphing calculator can be used to solve a system of linear equations graphically. The solution of a system of linear equations can be found by using the **TRACE** feature or by using the **intersect** command under the **CALC** menu.







5-1 day 3

Exercises

Solve each system of linear equations. Remember, in order to graph the equations in the calculator, each equation must be solved for y first.

1.
$$y = 2$$

 $5x + 4y = 18$

Solution: (2.2)

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

 $y = x + 1$
Solution: (1,2)

Independent Class Work: Solve for y (if necessary), enter equations into Y_1 or Y_2 , do 2nd trace, enter 3 times to find the solution.

3. $x + y = -1$	
2x - y = -8	
Solution:	(-3,2)

4. $-3x + y = 10$	
-x + 2y = 0	
	2)
Solution:	こりにと)