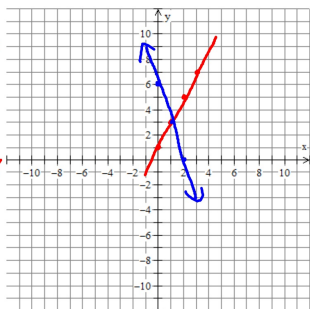


Thursday - January 9, 2014

$$\begin{cases} y = 2x + 1 \\ y = -3x + 6 \end{cases}$$



$$\begin{pmatrix} 1 \\ 3 \end{pmatrix}$$

x y

Solving a <sup>Linear</sup> system on the calculator  $Ax + By = C$   
( $2 \times 2$  +  $3 \times 3$ )

① Write all equations in general form.

- all variables on the left in alphabetical order.
- the constant on the right.

② Type the coefficient matrix into your calc.  $\begin{bmatrix} \# & \# & \# \\ \# & \# & \# \end{bmatrix}$

③ RREF  $2 \times 3$  command solves the system

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

$$y = -3x + 6 \Rightarrow 3x + y = 6$$

$$\boxed{\begin{pmatrix} 1 \\ 3 \end{pmatrix}}$$

② 2 cost models  $x = \# \text{ of PCs}$   
 $y = \$$

