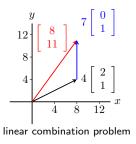
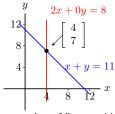
## Linear Combo Calculations (continued)

Example (continued):

$$\begin{bmatrix} 2 & 0 & | & 8 \\ 1 & 1 & | & 11 \end{bmatrix} \xrightarrow{G-E} \begin{bmatrix} 2 & 0 & | & 8 \\ 0 & 1 & | & 7 \end{bmatrix} \Longrightarrow x = 4, y = 7$$
  
and therefore  $4 \begin{bmatrix} 2 \\ 1 \end{bmatrix} + 7 \begin{bmatrix} 0 \\ 1 \end{bmatrix} = \begin{bmatrix} 8 \\ 11 \end{bmatrix}$ 

Geometrically we have





intersection of lines problem