Howework 6. A->4 x5 E->4-4 : E = 0 0 0 1 (2) E = E = O E =  $\bigcirc$  $\bigcirc$ operation (4) followed by (8) would give the Matrix: 

$$\begin{bmatrix} 6 & 10 & -5 & -5 \\ 0 & 1 & 0 & 0 \\ 6 & 14 & -7 & -6 \\ 0 & 2 & -1 & 6 \\ 1 & 2 & -1 & -1 \\ \end{bmatrix} \begin{bmatrix} 1 & 0 & 0 & -5 \\ 0 & 1 & 0 \\ 0 & 1 & 0 \\ 0 & 1 & -12 \\ -5 \end{bmatrix}$$

$$x_1 = 30$$
  
 $x_2 = -7$   
 $x_3 = 1$   
 $x_4 = 3$