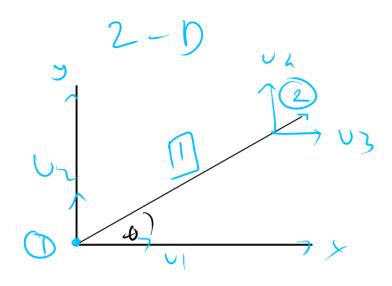
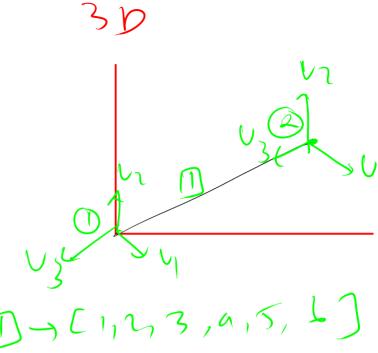
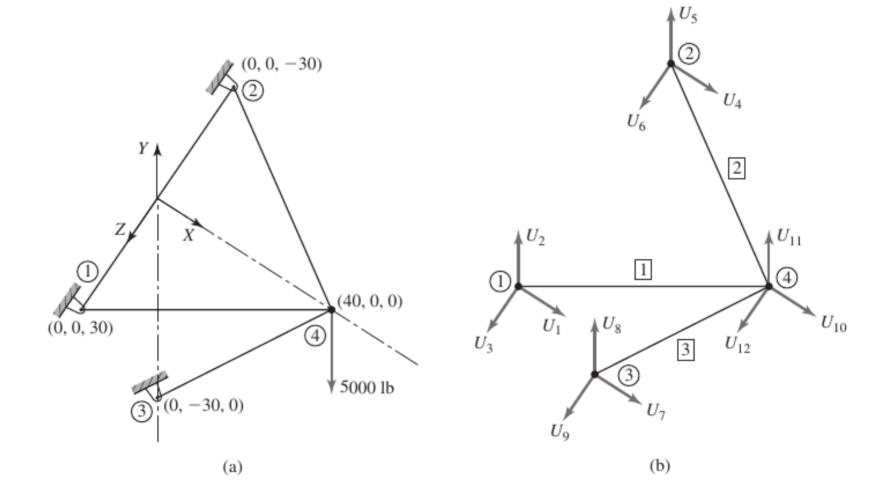
[A] + [b] a [cs sin] [atp] $\begin{bmatrix} 6 \\ 0 \end{bmatrix} - \begin{bmatrix} 1 \\ 1 \end{bmatrix} = \begin{bmatrix} -1 \\ -t \end{bmatrix}$ $\begin{array}{c} B \rightarrow \begin{pmatrix} \times 1 - \begin{pmatrix} \cos 8 \cos b \end{pmatrix} \begin{pmatrix} 2 - 1 \\ 3 - 1 \end{pmatrix} = \begin{pmatrix} 1 & 1 \\ -2/\sqrt{3} & 1/\sqrt{3} & 1 \end{pmatrix} \\ \end{array}$ $= \begin{bmatrix} 99/\sqrt{53} + 9/\sqrt{53} \\ -19/\sqrt{53} + 19/\sqrt{53} \end{bmatrix} = \begin{bmatrix} 53/\sqrt{53} \\ 0 \end{bmatrix} = \begin{bmatrix} \sqrt{53} \\ 0 \end{bmatrix}$

 $=\begin{bmatrix} 7 \\ 2 \end{bmatrix}$

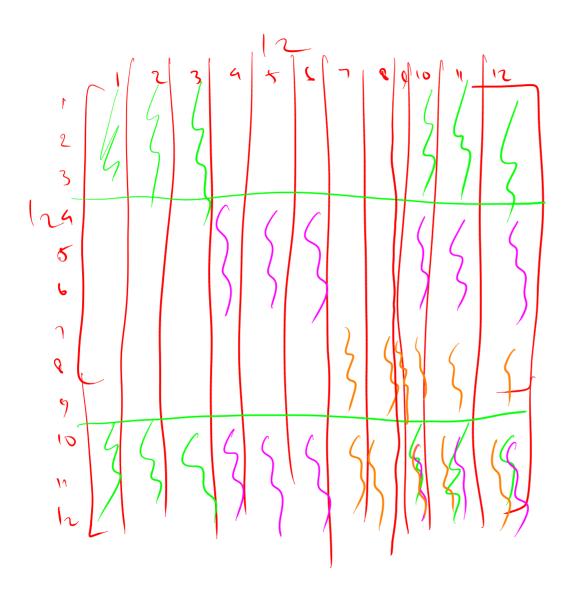


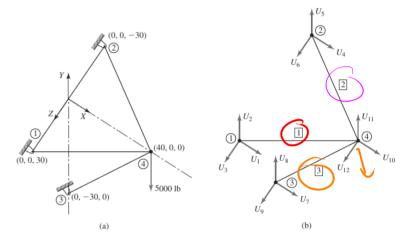
$$\begin{bmatrix} K^{(e)} \end{bmatrix} = [R]^T \begin{bmatrix} k_e & -k_e \\ -k_e & k_e \end{bmatrix} [R]$$





$$[K^{(e)}] = k_e \begin{bmatrix} c_x^2 & c_x c_y & c_x c_z & -c_x^2 & -c_x c_y & -c_x c_z \\ c_x c_y & c_y^2 & c_y c_z & -c_x c_x & -c_y^2 & -c_y c_z \\ c_x c_z & c_y c_z & c_z^2 & -c_x c_z & -c_y c_z & -c_z^2 \\ -c_x^2 & -c_x c_x & -c_x c_z & c_x^2 & c_x c_y & c_x c_z \\ -c_x c_y & -c_y^2 & -c_y c_z & c_x c_y & c_y^2 & c_y c_z \\ -c_x c_z & -c_y c_z & -c_z^2 & c_x c_z & c_y c_z & c_z^2 \end{bmatrix}$$





[k] {43-1 {t3