3.3)a) Si hupongo que hay otra matriz HE C^{mxm} tq:

 $(x,y) = [x]_{\theta}^{\mathsf{T}} \cdot \mathsf{H} \cdot [y]_{\theta}$

Come familien (x,y)=[x]+ . GB. [y]B Pon les vivtes en 3.26)

-> [x]B. M. [y]B = [x]B. GB. [y]B

 $\rightarrow [\chi J_{B}^{T}. M. [\overline{y}]_{B} - [\chi J_{B}^{T}. G_{B}. [\overline{y}]_{B} = 0]$

-> [x]_B. [y]_B. (H-GB) = 0

Como quieno que volger 4x,y EV

-> M-GB=0 -> M=GB

Pon les tomto, GB es la rémisa matriz que cumple Yxiy EV.

b) Safermos que $[x]_{8} = H_{8}^{B}, [x]_{8}^{I}, [y]_{8} = H_{8}^{B}, [y]_{8}^{I}$ where $(x,y) = [x]_{8}^{I}$ GB $[y]_{8}$ queta: $(x,y) = (H_{8}^{B}, [x]_{8}^{I})^{T}$ GB. $(H_{8}^{B}, [y]_{8}^{I})$ $\Rightarrow = [x]_{8}^{I}, (H_{8}^{B})^{T}$ GB. $H_{8}^{B}, [y]_{8}^{I}$ for lo tempo the acea predo agricular que: $GB' = (H_{8}^{B})^{T}GB$ H_{8}^{B} lo g' queria demostrar