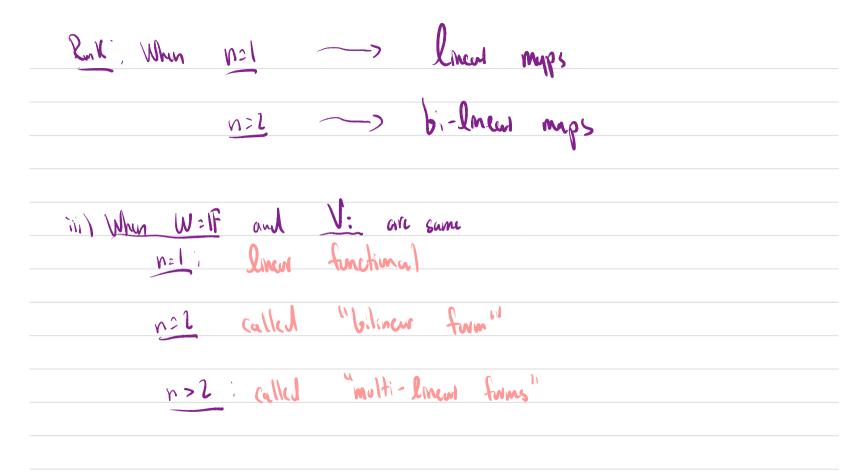
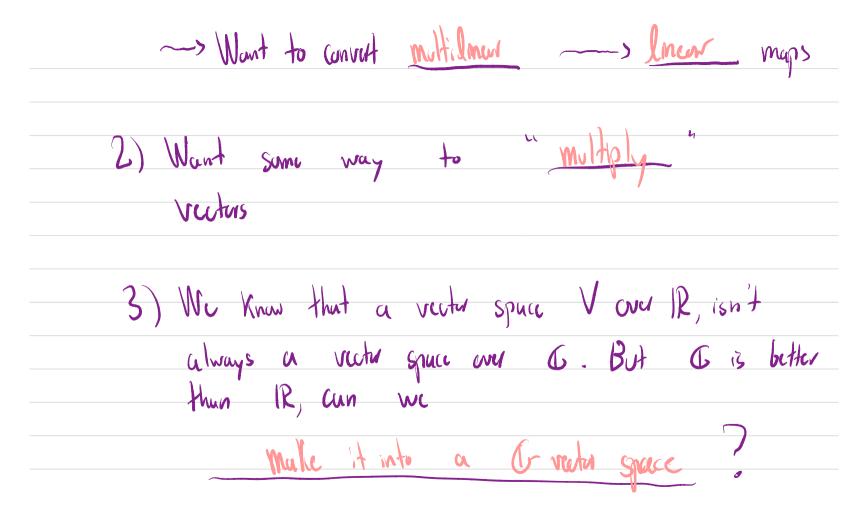


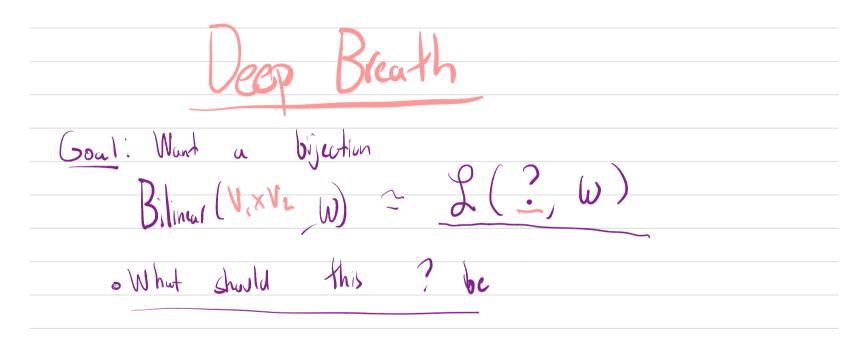
i) Note groundly if V. ... V. , W are vector groups, then a  
multilaned map is a function  

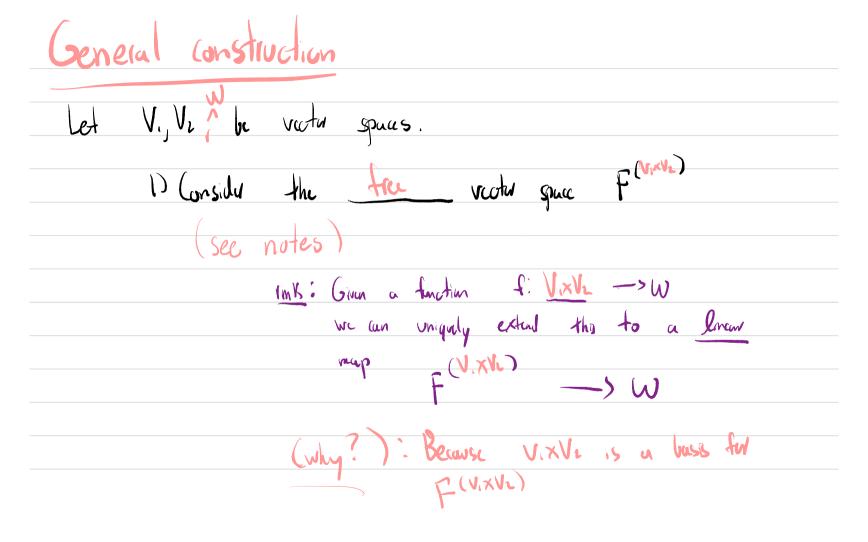
$$f: V. \times V. \times \cdots \times Vn \longrightarrow W$$
  
st ()  $f(V. + V.', -..., Vn) \ge f(V., ..., Vn) + f(V.', -.., Vn)$   
(  
n)  $f(V., ..., Vn + vn) \ge f(V..., Vn) + f(V..., Vn')$   
nxi)  $f(V..., Vn) \ge f(V..., Vn) \ge f(V..., Vn')$   
 $= rect = z f(V..., Vn > z)$ 

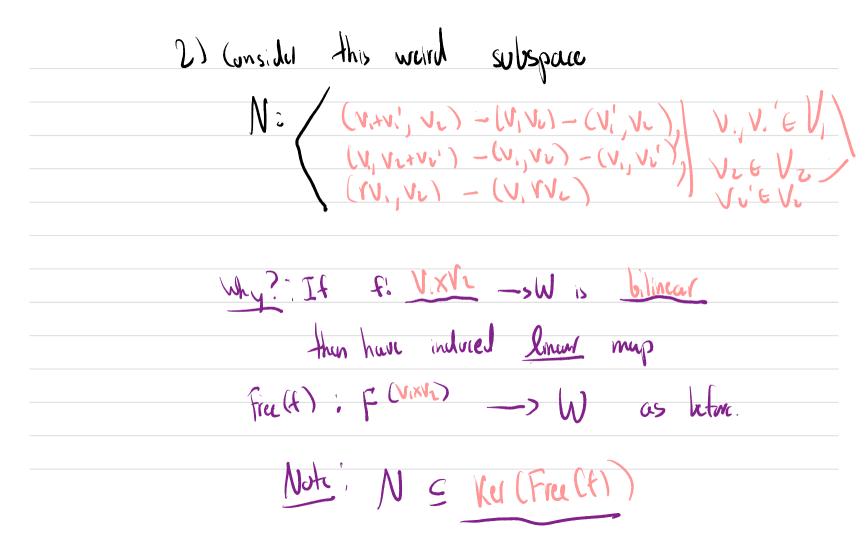


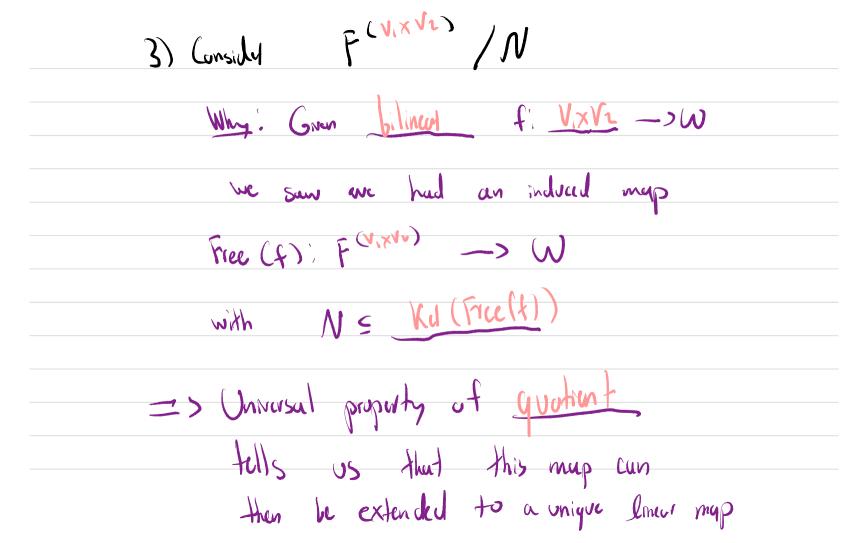


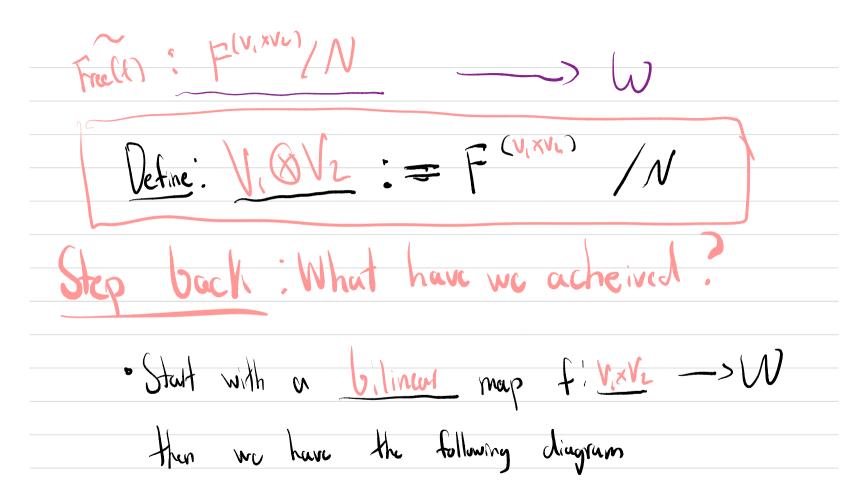


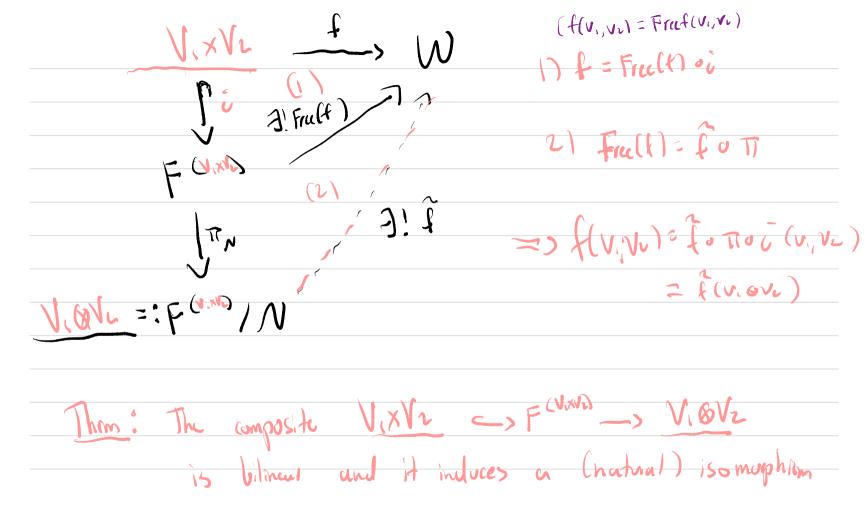




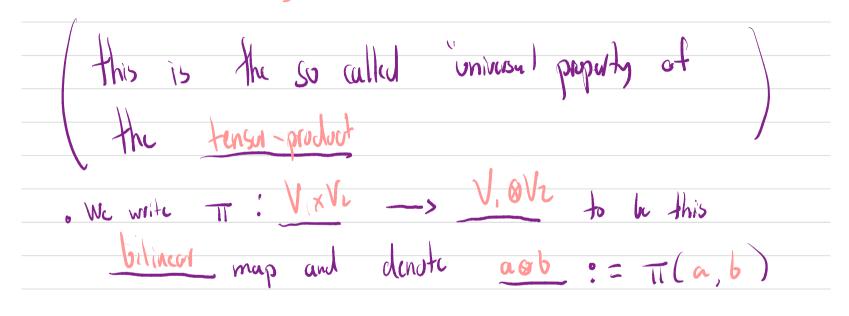


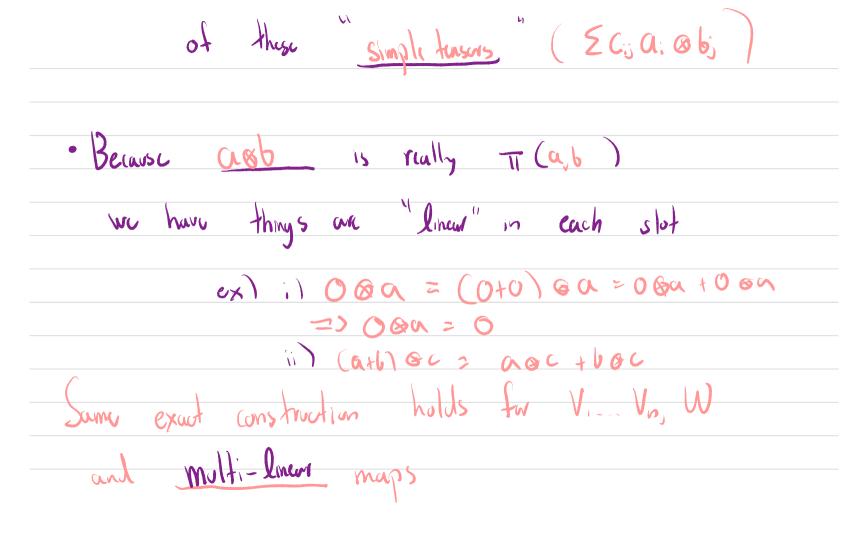


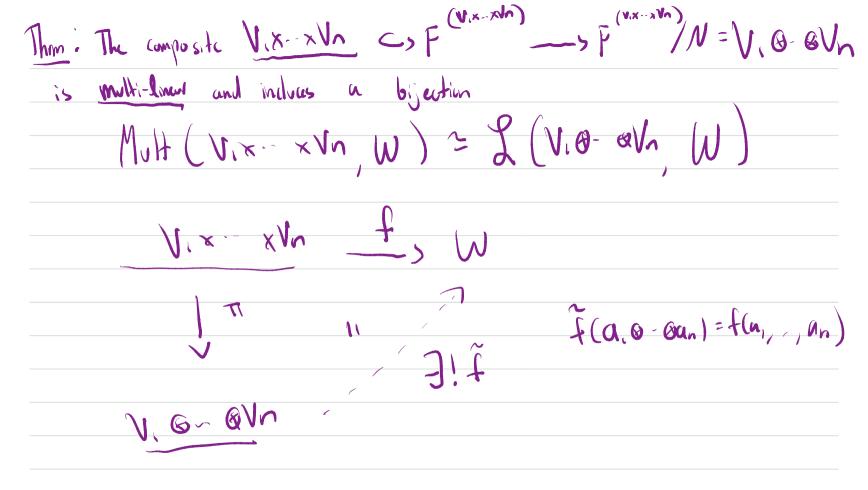


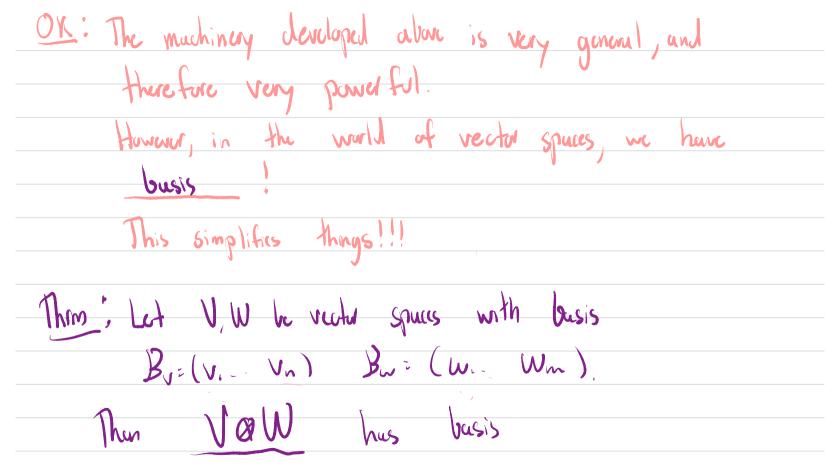


 $B_1(V_1 \times V_2, W) \simeq L(V_1 \otimes V_2, W)$ 









*i*.

Special Cases 
$$V_1 \xrightarrow{id} 2V_1$$
  
Consider a map  $V \xrightarrow{-} 3V_2$ . Then for vector space  $V'$  get ! map  
 $V' \otimes V \xrightarrow{-} 3V' \otimes W$   
a) Let  $V = W$  and  $f = id$ . Then what is this map  
 $V' \otimes V \xrightarrow{-} 3V' \otimes V$  (ic when both T., Tr are the)  
 $(V \otimes V \xrightarrow{-} 3V' \otimes V$  (ic when both T., Tr are the)  
 $(V \otimes V \xrightarrow{-} 3V' \otimes V$  (ic when both T., Tr are the)  
 $(V \otimes V \xrightarrow{-} 3V' \otimes V$  (ic when both T., Tr are the)  
 $= V' \otimes J$   
 $= V' \otimes J$ 

