

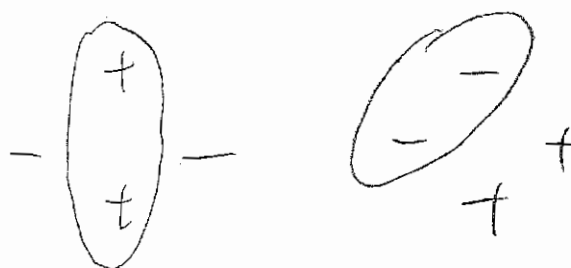
2.) a.) VC dimension is 3.



4 doesn't shatter



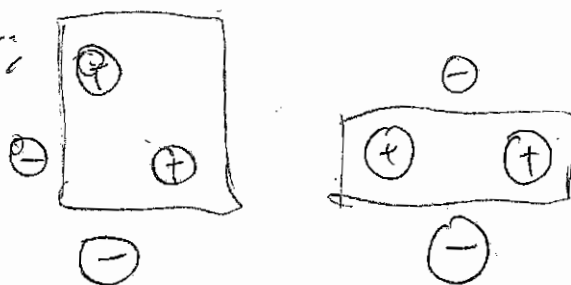
b.) VC dimension is 4.



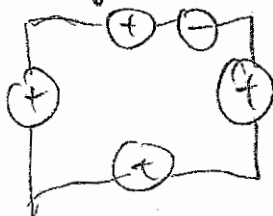
5 doesn't shatter.



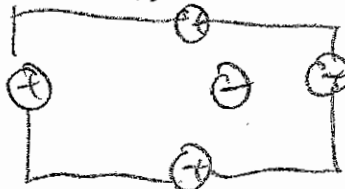
c.) 4 points;



5 points cannot be shattered. If able to be shattered, then we must be able to select 4 points and not the 5th on edge:



interior:



\therefore VC dimension is 4