Ex 2,14 Suppose X & A. Then XEA°, Ac open of J xi st Xi EA° =xi &A ×

Ex 226 A closed then. f-1(A) f-1(Ac) is open.

about shipping the exercises at the end of the chapters.

 $X \in \mathcal{F}'(A) \Rightarrow f(x) \in A \Rightarrow x \notin \mathcal{F}'(A^c)$ 

and xe f=(Ac) > x & f=(A)

> f-1(A) = f-1(A) & so f-1(A) is clused

Ex 2,23 tuly | Ex 7.28 No inverse !

Ex 2.29 - f. X > Y bijethra. f James fept Ex 2.31 a) Se FX 2.72. 0) Use Prop 2,19.

2133 for X & X only myslumber of X is X so continuel pents So (Xc) EX amuzustox.