

3) 
$$X = e^{1R}$$
,  $\frac{1}{2} = e^{A}$ ;  $\frac{1}{2} = e^{$ 

Conviney f. A - M2, AMERS. IF P CONTINUOUS, THEN P IS METHSURABLE . PROOF RECALL : THE FOLLOWING ARE EQUIMIENT. 1) P: A G M2 - M2 15 CONTINUOUS ON A 2) YOSIR, O OPEN 3 Og OPEN, n M22 S.T.  $p^{-1}[O] = A \cap O_1^{e^{-over}}$ 3)  $\forall C \in W^2, C \text{ closen } \exists C_1, C \text{ closen } w W^4$  $f^{-1}[C] = A \wedge C,$ NOW ASSUME P CONT ON A SINC", A MEAS FIX are M2 considers 1) { x = A, ((n) > ~ } is MENSURABLE? BREAK QUESTIONS 917 -BYEBYE