$$= \int x \left[ x \in A \times x \notin B \otimes x \in B \right] = \emptyset$$

$$\int als : fals : f$$

(a) Fie x elean arbitrar, fixed xeAnB & keA=714 & xeB=71B

(3) X e T & X & A (3) X E T & X & A & X & B \( \) \( mon (xex som res) man (x e-AUB)

HXET BY X & AUB (D) XETI (AUB) = AUB (D) 2 AUB = AUB

(b) Analog pet a

(c) = A The x elem and final  $(T \mid A)$  (  $T \mid A$ ) (  $T \mid A$ )

(3)  $\begin{cases} x \in T \\ \begin{cases} x \in T \end{cases} \end{cases}$  (3)  $\begin{cases} x \in T \end{cases}$  (4)  $\begin{cases} x \in T \end{cases} \end{cases}$ 

(AST) A = A

(d) [p >> g] => Trang => mamp] ASB BSA (\*)

Pp. 4=B B=A

Fie x e B = TIBOX X E T & X & B

Poporin abound x & A = TIA(=> man(x = T & x & A) (4)

XeT & X & B & X & A > X & A & X & B