Onp Prycto ABEX, (X,Z) Tobopet, The 1) A hnother BB (=) CLASB 2) A Bengg hhother (=) CLASB

Nprimep 1) X Bengy hnorm (X \(\int \chi\)) 2) Q Bengy hnorm (B TR) Jagara

A bengy morns b (X, Z)

A) HU+ØET ANU ANU + B $x \in C(A) = 1$ $\forall U_x U_x A \neq \emptyset$ (|A|=)

 $\forall x \in X \quad \forall M_x \in TM_x \land A \neq \emptyset = 0$ => X-m, npukoen.=> X E [| A => = $\langle (A) = X$

Sagara (X, T) - graper. np-6. $A = X : A bengy motion <math>B(X, \tau)$ (2) JA=XSX: ClX=X, Moreamen !" Pycos C SX: Cec=x=cex. Cain C+X, 20 = Ino E. ClX, rod ac y EX cem ClA=X, 75 A=X You] = X | 1x3 - Boogy motion + X & Same COCX (1x3) = X => X | 1x3 - Boogy motion + X & Onp

Ma.bo $A \subseteq (X, \tau)$ hazoliën murge ne naornam,

ecan Int(X\A) (bremrocro)

brogy naorna, r.e Cl Int(X\A) = X

Pynymetry muse AB ma-BB
- 770 Tpoinka (A, B, Tf) 18e Pf S AXB Take, um HaeA J. BEB: (a,B) eff

A,B. BA-gp-un ug ABB |BA| = ? eem, |H| = 9, |B| = 8 $|\beta|$ = 1 $(\emptyset, \beta, \beta, \beta, \beta)$ $|\phi|$ = 0 $|\phi|$ = 1

lmf, rge 1: A > 13. {f(a) | aeA} = f(A) $f^{-1}(C) = \{a \in A \mid f(a) \in C\}$ npaospez f(f-1(B)) = B $\int_{-\infty}^{\infty} (R) = A$ helepno Bodingen $f(f^{-1}(R)) = \{e_{i}, e_{i}\}$ ho f (f-1(B)) = B (= ccm f-crop)

idx: X-1X id(x)=V - tomes. omos eem AEX, wofin, : A ->X g: Yng separanuk -1:X y Y $\langle -\rangle$ fog = id_x JX, y-ton, np-B, YVETy f'(V) ET, I fix y - herpepomo () hoodpay motors oraport or by mun-by prinepr 1) idx-rup. idx:(X,T)-s(X,T) $2)id_{x}:(X,\tau_{1})\rightarrow(X,\tau_{2})$ $\forall \forall \in \mathcal{Z}_{z} id_{x}(V) = V \in \mathcal{Z}_{i}$ (reidy: Tr-> Tr- hang. 3)] X-grenp. n/-60, Y-npougl. Fn (tix-x korga rumpiponhus) (tvety f'(v)etx) g: Y-1X-korga hum)? VVEX -f'(v)ety 4)] X - an-engercu, Y-npond. f: X-x / - korganeur.? $\forall V \in T_{\chi} = \{ \forall X \}$ nanjune X

4-nocz one Ip sto. f(x) = yo HXEX g: Y - Korga rung ! - Beerg-19-1(d) Et y - beery.) 9-1(x) = 74 - long

 $J = X \rightarrow in_A: (A, T_A) \rightarrow (X, T)$ - henr JANT-12-ET? $\forall v_{t} = i \gamma_{A} (v) = Anverse$ Jof, A got g-rum. Je. HVETC. g'(V) ETB | HWEIR f-1(W) ET = 1964 (god) (gol) (gol)

Q)/31) OTpaz bengy nnothoro muby.
More copracks. Henp. omodo. benegg noven 2) Henpepulos Mu 6 Tinic Tononomeri., Unggrup. Kanomor. Ton. Ka R Smooth. $f: [0,2] \rightarrow [0,2], f(x) = {x, xe[0,1)}$ horeny? (3-x)xe[1,2)3) Momet m Mn-Bo Hurze se motnom?