arrier - divisorer the ekn-dim shjema I shever werhood, was emb. av dûn 1. Noethersk.
Separen.
Linga enleddole homponants) Rasjonale funcioner pa X X = Sec A X = Sec A 0 = 910 --- 19 19: = Ψ: 1- 985080FE prim-idalo til A. Må & på de votestringer. S= { sex! 5 i've nulldings) I sit at ] ing inthisions on or  $k(A) := A_S = S^7 A$ Much a 6 50 at = 65 Chuch: alle sts er

ille nultdir)

Sa aub. A A or injektiv. a on A -> B fact wil Me-rul div i A  $(O \Rightarrow A \stackrel{5}{\Rightarrow} A) \otimes B = (O \Rightarrow B \stackrel{5}{\Rightarrow} B) \stackrel{5}{\Rightarrow} C$ -u - iB En ela ogsa KA) -> KB). Pa' samme maire: KA) - o KA). · On I er et magnicellerraide, se et (1) = knotientherpen vi/A.
· Arta 1 Bay are ett melle assosion principal M. Unsh. Eo-divisie is = asosing

I deter tollet the K(A) = App.

Side to minimal = App arises + tokal.

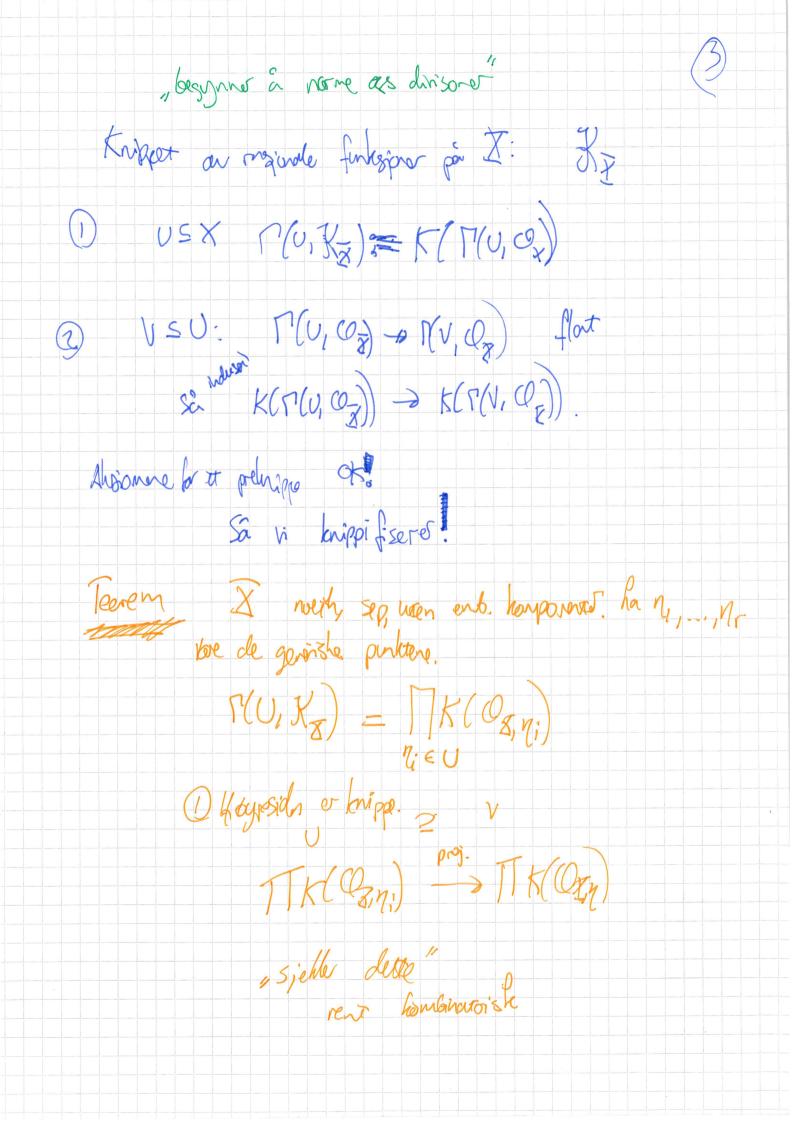
Who som mad-ident unesch trop, ma ver milpotence Except helical - (x) = X=UX; = Spec A X; = Spec A/9.

Them A north-one was enteredde horporase my AssA = { Mp. ..., Mpr J. Dars ta The P( () KA) -> KA) p; opplage baraliseigsand. Surfolal + misk of princeto by 1 the Text mult system,

So as KA = KAD

Autor ends. harponerer

T = { 1 b, b, ... } bitter ripolar. K(A)4= + (A6)



lle sammer oners 08 après affrir pagar tillegre tealm. Corner divisore  $1 \longrightarrow \mathcal{O}_{\overline{x}} \longrightarrow \mathcal{K}_{\overline{x}} \longrightarrow 1$  $1 \rightarrow \Gamma(\mathcal{E}, \mathcal{K}_{\Sigma}^{*}) \rightarrow \Gamma(\mathcal{E}, \mathcal{K}_{\Sigma}^{*}) \rightarrow \Gamma(\mathcal{K}_{\mathcal{E}}^{*}) \rightarrow \Gamma(\mathcal{K}_{\mathcal{E}}^{*})$ Pedl In Carlor - dirisor er er element i T(X) 12/03. Om fer a rasjonal terbojan som ikke forsning på non komponents, i.e. for  $\Gamma(X, X_X)$  så or  $\Phi \in \mathcal{D}_{NV}X$  hoveddirisor. Me slike Px = 09v X. ON A/PZ = H'(X, Ox) & Ricard-gupper duisor telassegupa

Xhurre noû! Lirisar Pour greed: D∈ Divk de D∈Z E & Rad gipen: grandifino son gipen ou menible kripes X Syema . L rates on inveribil Q - modul em 1) L BOX - modul
2) Finnes averdulining (Ui) aw X os isos Ti: Ox lui -> Llui 3 HX EX Si or dx ~ Op sun gx - module [Vi] or finaliseurde 9. := t:(1) e brule grounde Both Constitutes at hv. Q-module danne on suppl.