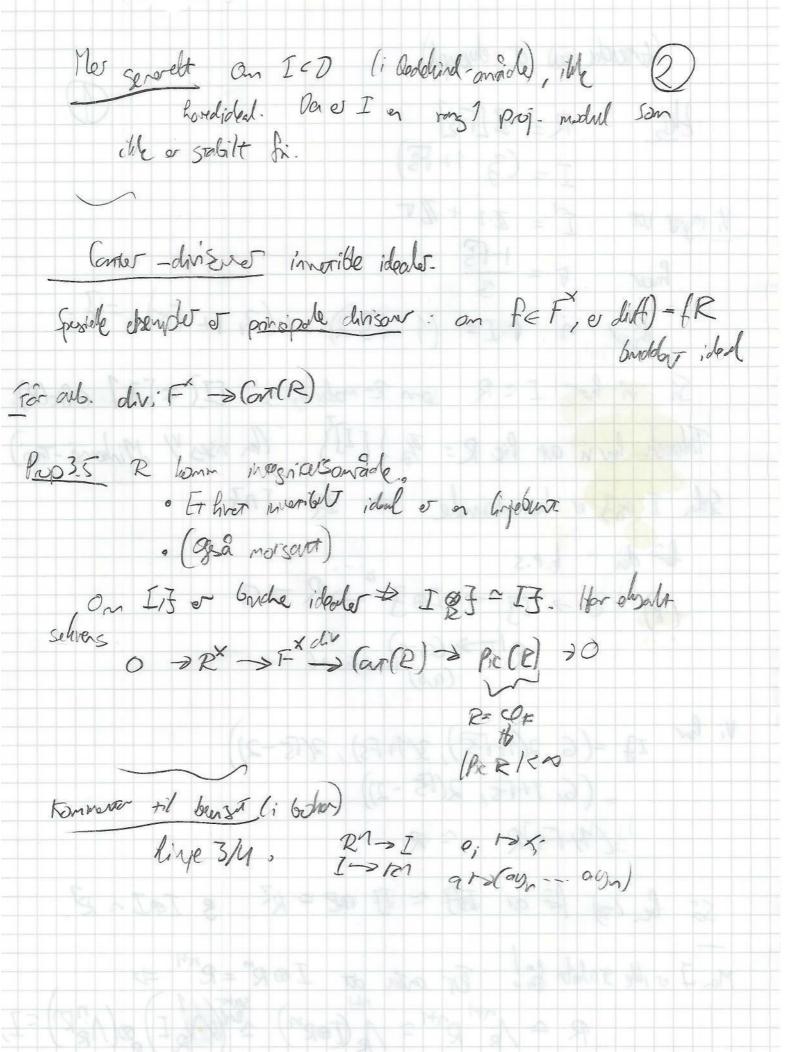
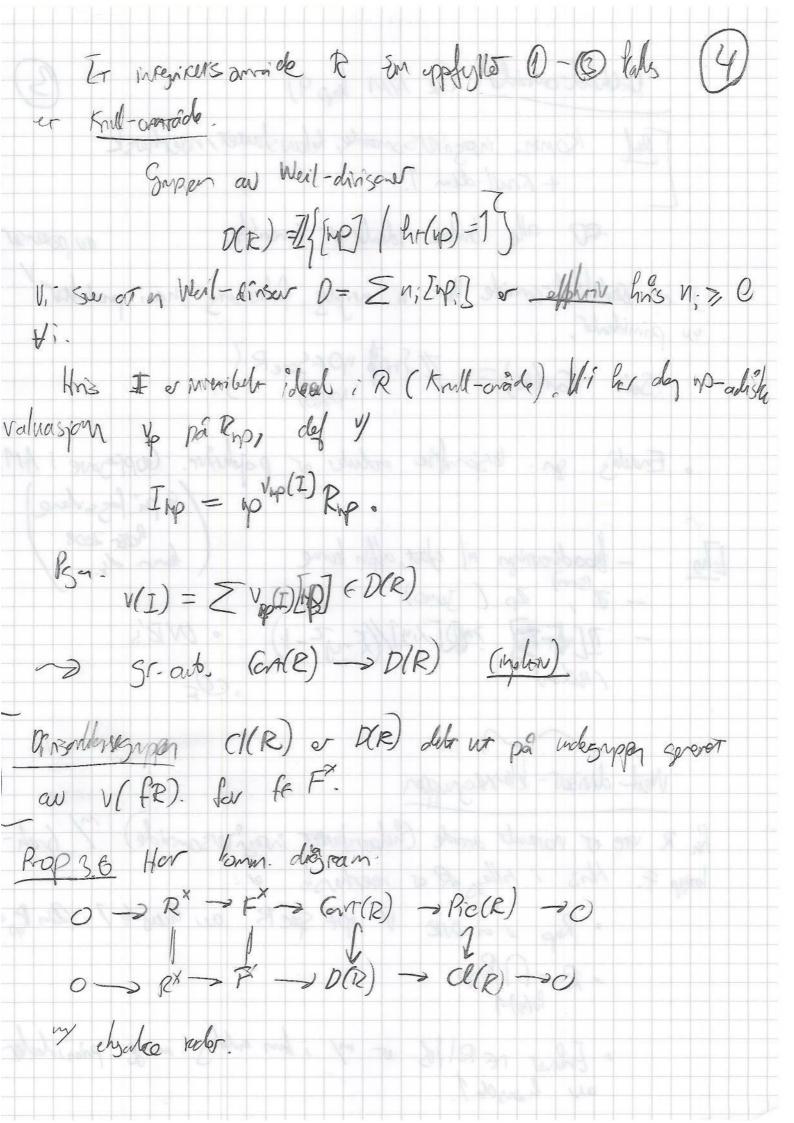
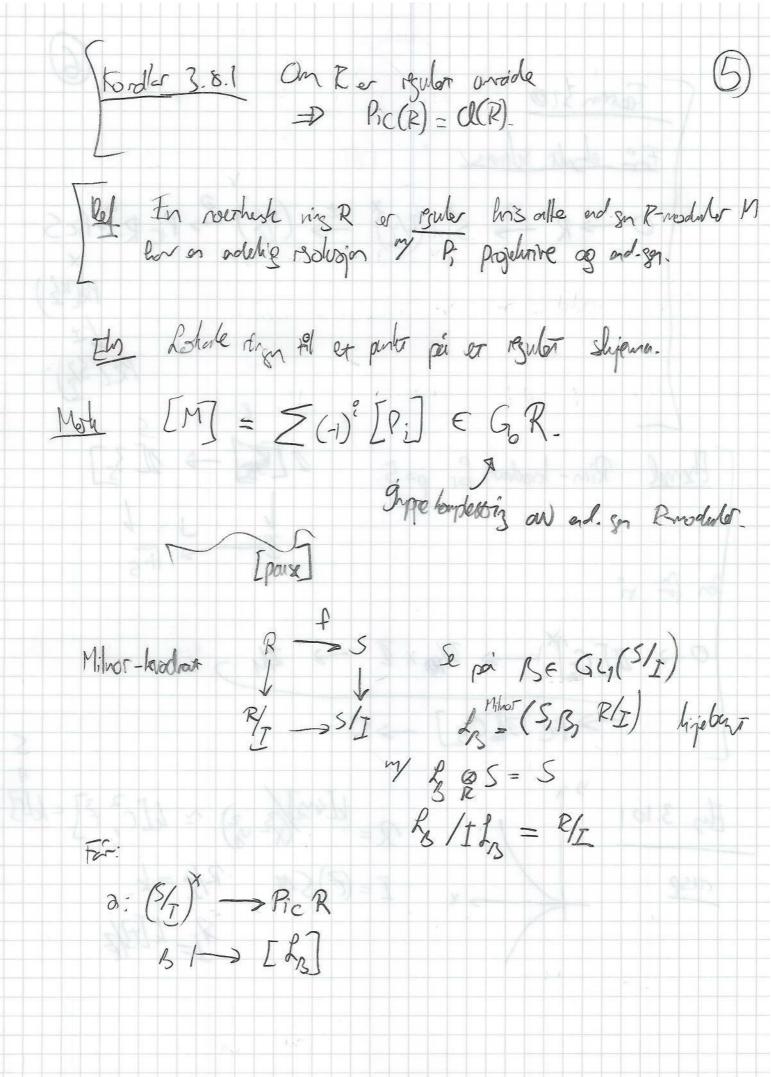
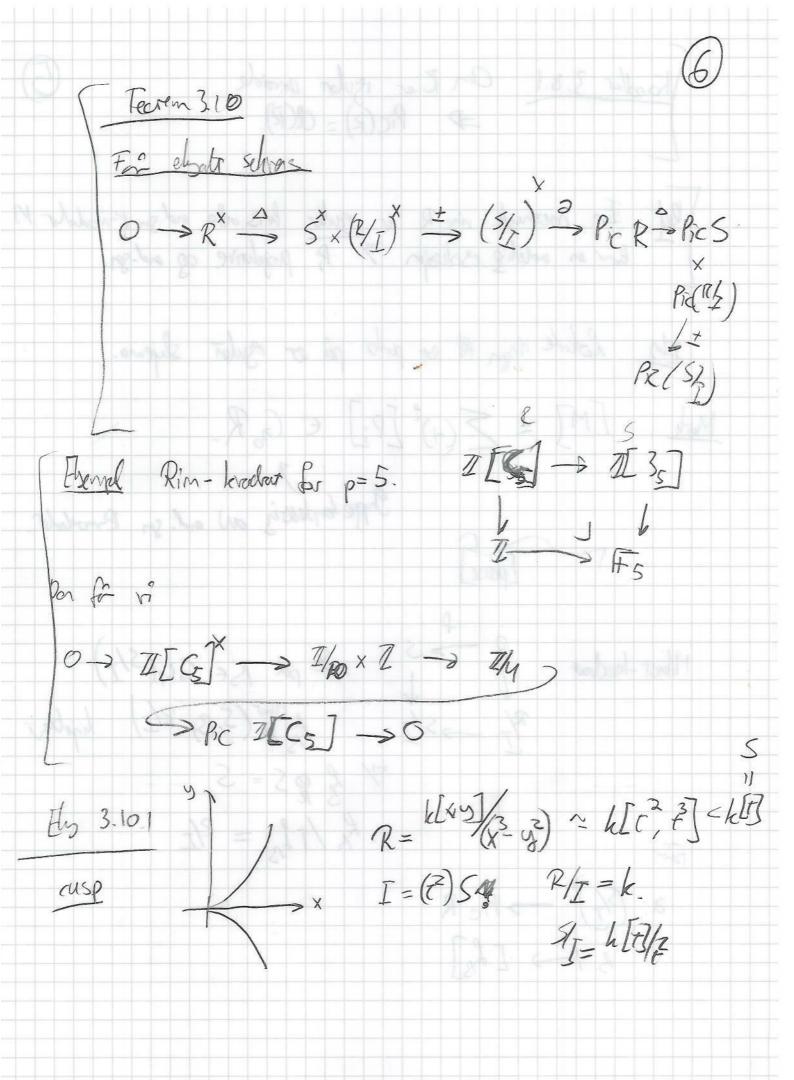
(forsessar as et elsempl) Ely R= Z[FS] I=(3 1+FE) Virginia w I'= Z.1 + ZV her $r = \frac{1-1-5}{3}$ Gol vi F.I= (1-152) = (2, 1+ 1-5) =: 8. Si vi har I ~ R son R-modules, sa [I] = [3] (RiclR). Falush havi at Pic R= \$ [[] (In rises 4) Minhousi - Teori) Sta I ast or homalizable & If = Inf (*) 0 = IJ > IOJ = R > 0 for du h.P.S $cl \rightarrow (c,-c)$ $(a,b) \rightarrow a + b$ I] = (6, 2(1+13), 2/1+F5), 2(15-2)) = (6, 1+13, 2(F5-2)) =(7+15)R ~ R Sã fre (4) fir où Inf = If al = R? g IaIn 2? Ma I or the solite for I for over at $I \oplus R^n = R^{n+1} \Rightarrow D$ $R \simeq 1_R R^{n+1} \simeq 1_R (I \oplus R^n) \simeq (1_R R^n) \simeq (1_R R^n) \simeq I_R (1_R R^n) \simeq I_R$

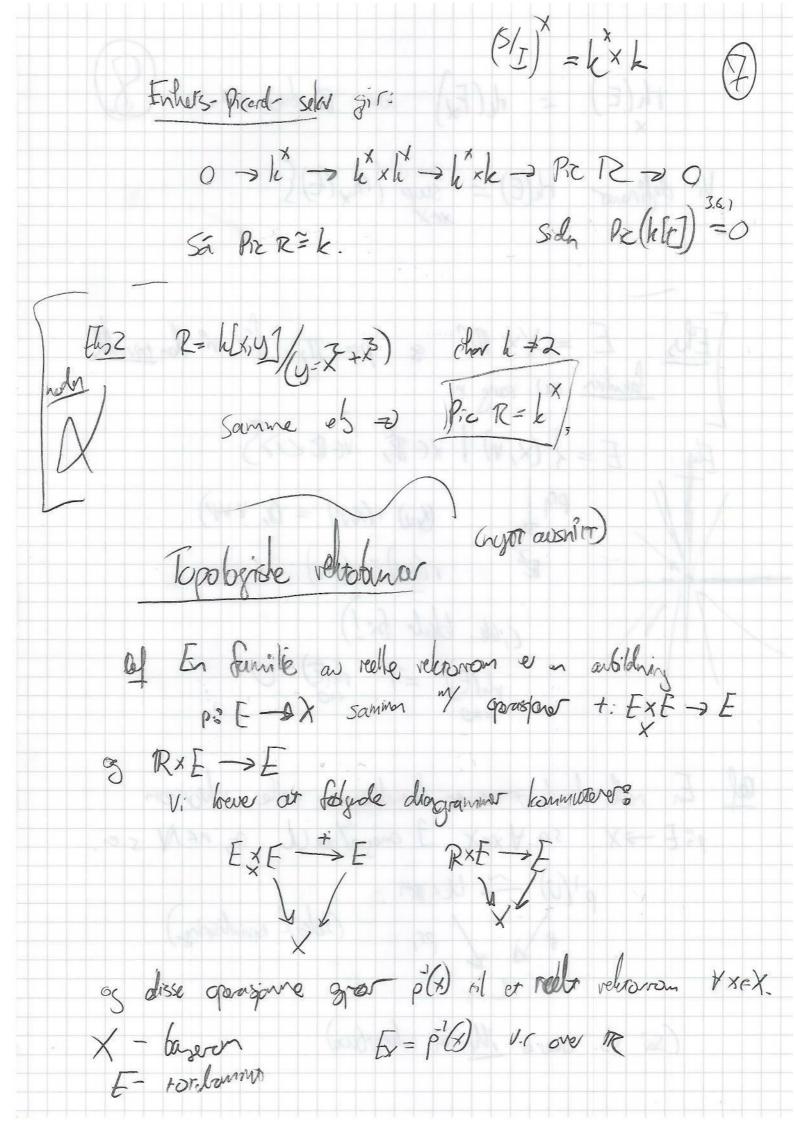


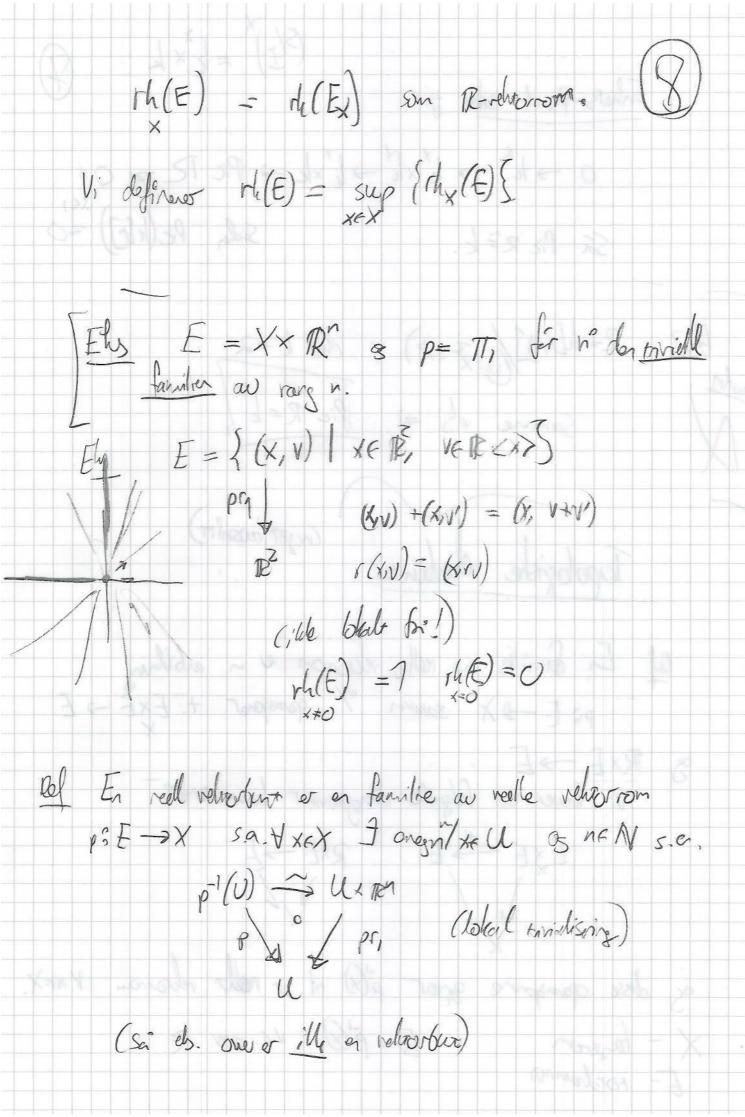
Oddird-mider (& AM kap 9)	3
The Komm. inaginarsomaide, helanstrutter, noethersk + Krull-dim 1.	in 13
To alle bridge ideals et inverible.	an noters
I et Obdehånd-arride har ni arrydig falverising inn; p	rodulter
Sai (an(R) = I { hp} WFSpec R }.	S/M
. Endlis gr. tosjansfre module or popular. Copp	gare i AM
Ets - Goodinaring of glast, affin tune (Sim) Zp (Jones)	- 2008
- III-5 ?- R[L/19]/(X-y^2-1) · OVR'S (Halkon) . OF	
Meil-dinser-klassegruppen	V OD
ha R vore et vormalt mide Chelauslustet integrasson ide) loop F. His i tillegs R et noethysk et:	y broh-
· Rop or on DVR & tPF Spec R au husyde	1 (din to
P = () Rip liv(p)=1	
at househ ?	prier ideller

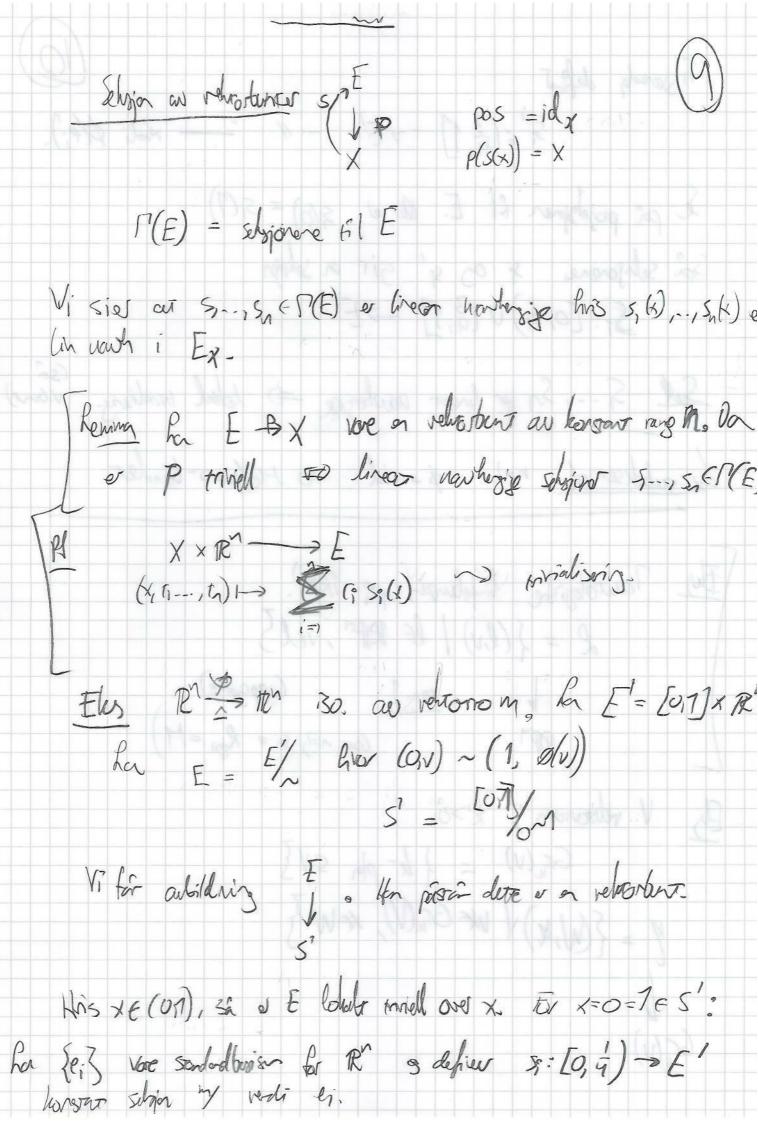












Tilsardy defect
Si':(3,1) → E' -11 — redi ple;).
E på pojelsper fl E. We & $5(0) = 5(1)$
Så selvjorene si os si gir a selvipa Si: [0, 4) v (4, 1] -> E
Set 5-, So er livear nawherzige - to total tovietisery. V. 6000)
La subdiserral n=1 \$=-id =0 Missius-bander.
The Tautologiste linjeturen på RP. L = {(l,v) le RP, vel 5
$\frac{rans 1}{RP^{n}} \qquad \frac{(uppgane)}{(unn=1), si ol Rp = M}$
Ely V relocation, $k > 0$. Gr _n (V) = { $k - pln \le V$ } $V = \{(W, W, V) \mid W \in G_{T_n}(V), x \in W$ }
$G_{k}(v)$

TM Eb M monstddishor J Mo Pullbach an V-binest addisin (v,e) + (s,e') = (v,e+e')most r(v,e) = (v,re) $(f^*E)_{ij} \cong Efly)$ M -> M M'Sis Els (McGis-bánder) 5' = 5' Pagran FM = 1 4 trivel but aw ray 1. $M = \{ (e^{i\theta}, re^{i\frac{\theta}{2}}) \mid r \in \mathbb{R}, \theta \in [0, 2n) \}$ $S\tilde{a}$ $\int_{-\infty}^{\infty} M = \left\{ \left(e^{i\theta}, re^{i\theta} \right) \middle| re\mathcal{R}, \theta \in [0, 2\pi] \right\}$ Så IM = 1 1.

A STR (trengs å garge " 2 for (eig, r) å fa vel-def aubildnig)

On 734 = x, så (fg) E = g'(fE)) (12) So an it bo Vector(x) = (somofilerset aw ray 1, v.6 our) a fir in futor Vector (-); top -> Set. $E = \sum_{k=1}^{\infty} E = \sum_{k=1}^{\infty} \sum_{i=1}^{\infty} \sum_{k=1}^{\infty} \sum_{k=1}^$ Grebre sum (e,e') E E E E hvor p(e) = p'(e4), slikar $(E \circ E')_{\chi} = E_{\chi} \circ E_{\chi}.$ Un også EBE', E', Hom (F, E'), og 1°E, osv. Folles er et de dans pinhis : fibrere. Som regde of E@E' gitt / { (xv) / xeX, ve Ex @Ex) Topolese på dette onserproduker X. In XEX, og la U vare en ongen slih at bide Eg E'es trielle. Velg isomofiet o: U x Rt => E/u ~> 6jetyjen av Ø: U x Rl => E/U - rengaler Ux (R' & R) -> (E @ E)/u - line iso i has fiber, Sitt y (u, vow) -> (u, e(u,v)e(u,w)). crefor repologies for its oil 1/5.