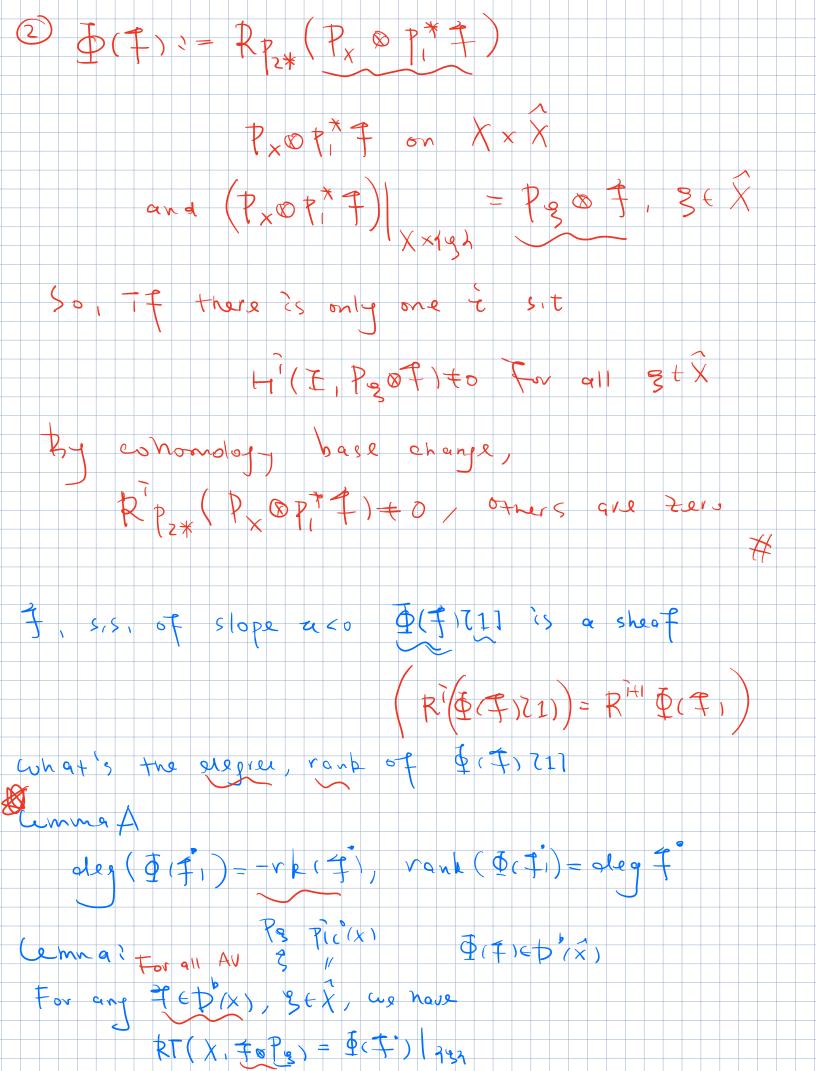
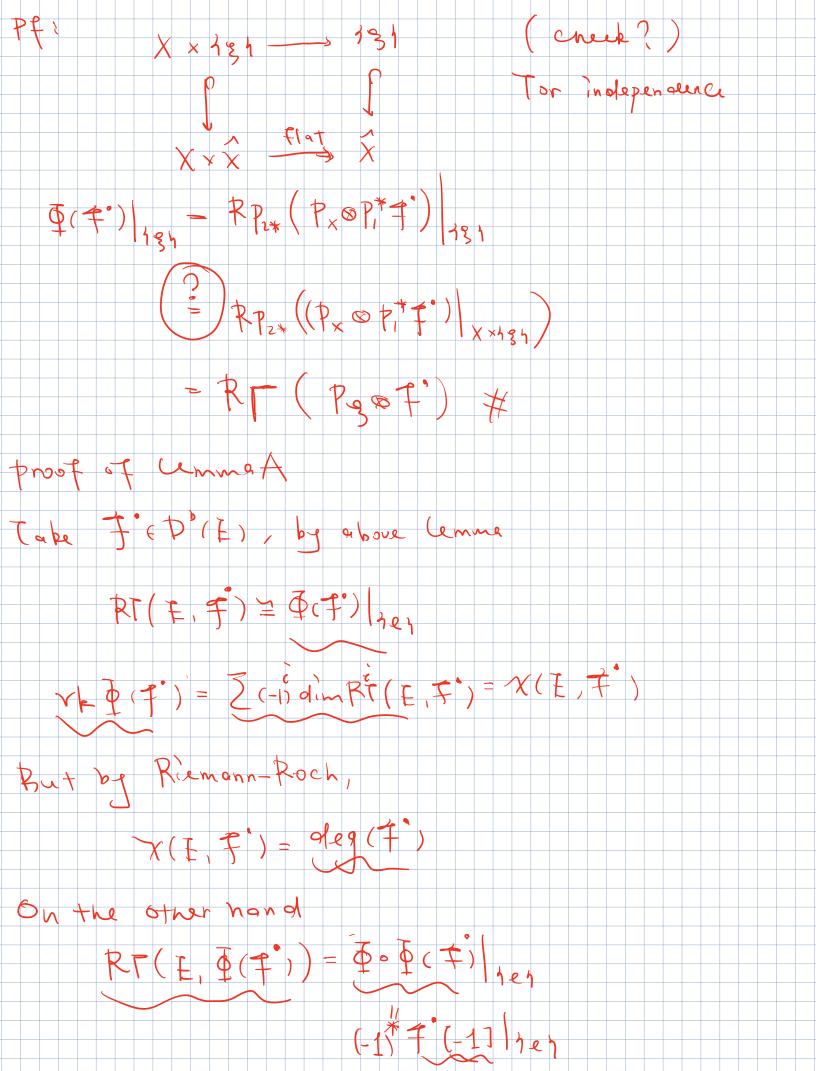


(n,,,,,,,, is ralled the type of a An ample l'ine bundle 2 (s called a principa) polarization, if it's of type (1, -, 1) Franstorm given by the Poincare bundle Φ Φ $(E) \rightarrow D'(E)$ UT I be a SIS burdh IF Slope u \$ (2) concentrates et one elegree / I = u = 0, then I ? s, t Hi (I, F = P) + 0 For all P + Pic (A) and for all jti, hi(E, for)=0 tor all 7 + Pic(E) Dyroof of the anna 2) une lemma implies & t concutrates at one degree DIF uco, HO(E, FOP) = Hom(PT, F) but Pis of Slope o, and I is sis, if Slope 200, => Hom(P*, +)=0 but H(E, F@P) +0, For 20 case, it's the same by sevre sluality





For higher
$$\sqrt{1}$$
 = $\sqrt{2}$ \sqrt

Summarize Sis langle of with slope u + D D(+) of slope a If f is sis of slope 21 to, then \$(f) is again Pf, ce COG, we may assume f is indecomposable. (#= @ fi, claim, each #i is of slope a) Then D(7) is again indecomposable But on elliptic ourse, every indeanposable bunda is sis (Since HW filtration Splits) Vect(F)a Der (F) $\bigcirc + \rightarrow \bigcirc (2)$ 7 FOOE(e) SL2(Z) 35 generated by $S = \begin{pmatrix} 0 & 1 \\ -1 & 8 \end{pmatrix}$, $T = \begin{pmatrix} 1 & 1 \\ 0 & 1 \end{pmatrix}$

