Hepasnottume none to like Oup A-05 naci Ha 49 noci (HagA) E A[X] n degl>0)

The Hepas 10 While nome to a source He evolute

Ca ce aprejerable navo upous begenne He for

moneirona or no-brudne exercise. to oleg g = deef um deeph=deef

deeph=0 um deeph=deeph=deeph=0 T.e. and f=gh Munery ff=1 f=g.h => 1=deff=degg+olegh => {defg, degh}=\frac{1}{2}\frac{ 1(4) dieg f = 1

$$x^{2}+1 \in \mathbb{R}[X]$$
Hepas noutrum

 $x^{2}+1 \in \mathbb{C}[X]$
 $x^{2}+1 = (x+i)(x-i)$
 $x^{3}-3 \in \mathbb{R}[X]$
Hepas noutrum

 $x^{3}-3 = (x-\sqrt{3})(x+\sqrt{3}+\sqrt{9})$

F- Worl

3) g-Hepazaour. h/gf m gth => h/f

I max FLX3 (=> I= 9-po310 Hul J= I+ (h) + I () => Y=FD) => 1ey => 1= gt+h, b HOD (g, h,1)=1 OT og = hit=> (g,h)=hy (git)=1749+1 g tot so How

JF-none, feftil, deef 1. Toraba 391, 9k f=91.-.9k, f=h1.-.hg (hi-vepa3ning) Anco ochest Toba f=h1.-.hg (hi-vepa3ning) =) K=S u chel meto nempare gi=dzhi i=1,-1x, die(Ftil)*(deed=0) u di--- dk = 1 (3) (MHOYMYNG deef for deep of equit intolleuren)

there is nontente sat f: deef < n

Hera e nontente sat f: deef < n John fl- Hepas northul -> f=f (1-ento Huren)

11 f- pers northul -> f=t.b Ozdy t zdyf

no vitte. 3a t u sa b: t=g1-gz Hepas

-> f=g1--- gp

gx/hi-hs = Fi: gx/hi upers enepresent

gx/hi = degge=deshs

= FdxG(F[x])*: dxgx=hs

hi---hs

dxgx 4-31-32-12-13 g1---gk=h1----(hs) = g1---gk-1= dk(hu--hs) UT. H. He e bezuoutto K+9

(ano con. re X25 => - 1 = h1-... hs xdpend.

mporn poperue cec crementure) => R=S cree Menomerupaire
hi=digi n 1=didi-dk