3/2 Lec 14- Ex B 1. It ses of the form: 0 -> Q => y 2 Z ->0 I is projecting. I Here Q injective. 75ES of form: 0 -> X => Y => 0 so X injective. Thus P projective. QF=F ZQEF-E03 => F Zivis; ble Finjective F-module (x) Q(x) = (x) Q(x) (8) D (8) P = ONX = Q(x) is injective.

KEY acts on WED ph x.w = x/x = 0m Q = 0 ± Q SULT DESCRIPTION OF THE COLUMN ((S)) = D((S)) (V)= \$(0) = 2\$(1) Swilarly, 112 = P(x) = I (dx) = x D()

D(1) = Q+ Z[x] for Q(Q(x). Then 5 B(1)=0 means Dat I X => Q polynonial CII = (1) \$\frac{1}{2} \times >> xxx gassit have constent term 3 no such at alx