Homework L 1. Ka) Pic (x = [x] | 2x, -3x2 + 4x3 = 0} 1:= ([=]++[=]] t=R] If I Intersects P, then Ip al s.t. [1+2+] Color EP Check if perpendicular: Normal of plane n := [-2]
Direction of line V:= [-1] If n. x +0, then (If P. (2)(2) + (-3)(1) + (4)(-1) = 4-3-4 = -3-> CATS Check if vally point on J: [1+2+7[-3]=0 2 (1+2+)-3 (1+t)+4(1-t)=2+4+-3-3+44-4+ =-3f=-9 (>> 3f=3 (>> f=1) P.O. I. = [{\frac{1}{2}}]+f[{\frac{2}{4}}]=[{\frac{2}{3}}] (b) n = [-3] (c) No. since n + S and (Hr. Pick v sit, u t v. Let v = [4].