To define a plane, ve need: 1) A normal velor n -> (a,b,c) 2) A point in the plane. So,

(l'eller on) . (normel) = 0

pline 1

dot product. $= (ai+bj+ck).((n-u)i+(j-y_0)j+(2,-2)1)$ $= \left(n-n_0\right) + b\left(g-y_0\right) + C\left(2-2_0\right) = 0$ 2.7

This (A, h, c) are the coefficients to the plane equation +((2-4) +0 a (n-n1) t b (y y1) ant by t cttd =0 where d = - (ant bjit c) Distance of a point lobo a plane an ety evz ed 20 is. Dz [am. + by, + Czo +d] $\sqrt{a^2+b^2+c^2}$