#4) Food she post of intersection of the live (4pts) Pant (x6) = y(3) = z(1) and the place x +4y = z - 7=0 dn. 3 2 1 -2+3t + 4(3+2t) - (1+t) -7 = 0 X=-2+3t · 2+3t + 12+8t - 1-t - 7=0 y=3+2t ==1+t -2, 12, -1, 7 3 t, 8 t, -t 2 + 10 t = 010t =-2 t=2/10 ~ 1-/5  $X = -2 + 3(-1/5) - 2^{3}/5(2.6)$   $y = 3 + 2(-1/5) 2^{3}/5(2.6)$  X5 z = 1 + (-1/5) = 4/5 (.8)(-13, 13, 4) #5) while the promotion equation for the live which passes shrough the points A(2,1,0) and B(-3,4,1). (4pts) AB = <-5,3,1> B. (-3,4,1) equations |x=2-5t -3-5t y=1+3t 2= t 9+3t 1++ 2-5(2) = -8 -3-5(2) -13 1+3(2)=7 4+3(2) = 101+2 = 3