#9) Write the equation of the plane, in general form, determined by the points A(1,-5,4) B(2,2,1)and C(4;0,-7). A(1,-5,4) B(2,2,1)AB (1,7,-3) A(1,7,-3) A(

(-62, -2, -167) -62(x-1)+2(y+5)-16(z-4)=0 -62x+62-2y-10-162+64=0 [-62x-2y-16z+116=0] +62 -10+69

1PQ.N1

#10) Calculate the distance from the point Q(-1,3,6) to the plane 2x-3y+2-1=0. (4pts) Q(-1,3,6)  $PQ=\langle -3,3,6\rangle$  P(2,0,0)  $PQ-N=-3\cdot 2+3\cdot -3+6\cdot 1$  PQ-9+6=-9