$$0 = <3,0,4>$$

 $v = <4,-1,-3>$
 $n \cdot v = 12+0-12$ (dot product indicates \bot)

$$p = (3, 2, 0)$$

$$3(x-3)+2(y-0)+0(z-4)=0$$

 $3x-9+2y=0$
 $3x+2y=9$

- The distance from the given point to the xy-plane is the absolute value of the z-coordinate.

 Acon'td-1-51=15
 - 13,7,-5) is (0,7,0)

$$0 = \sqrt{(3-0)^2 + (7-7)^2 + (-5-0)^2} = \sqrt{34} \approx 5.93$$