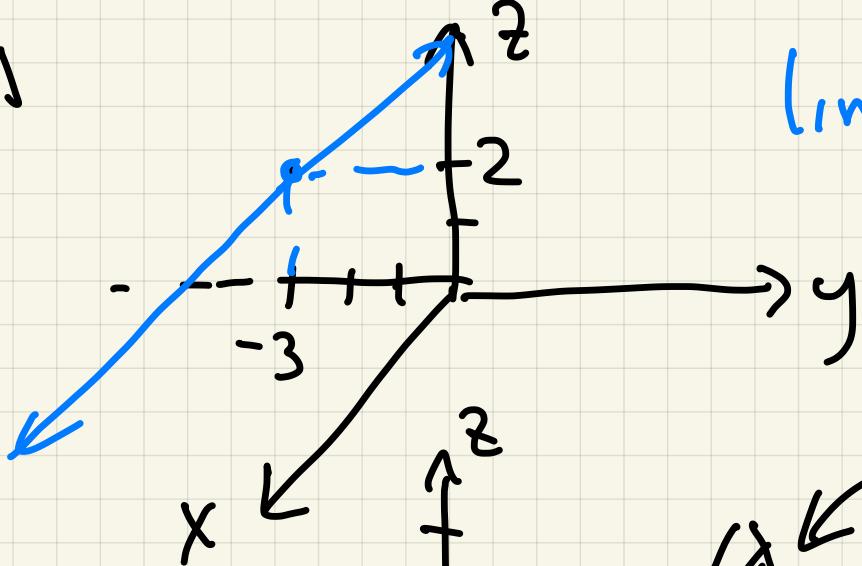


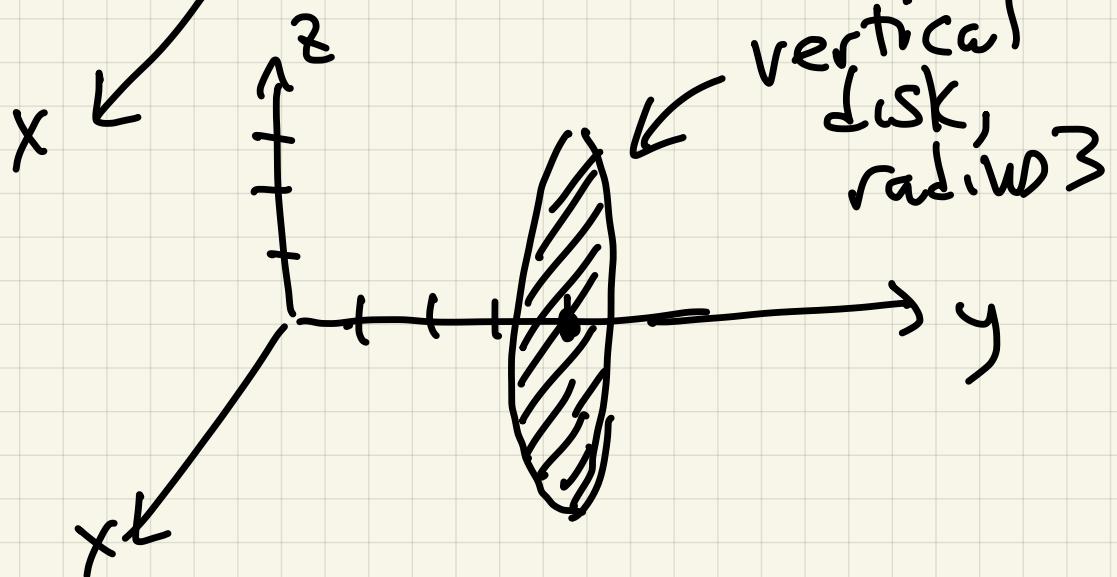
# Quiz 1

1. (a)



line // to  
x-axis

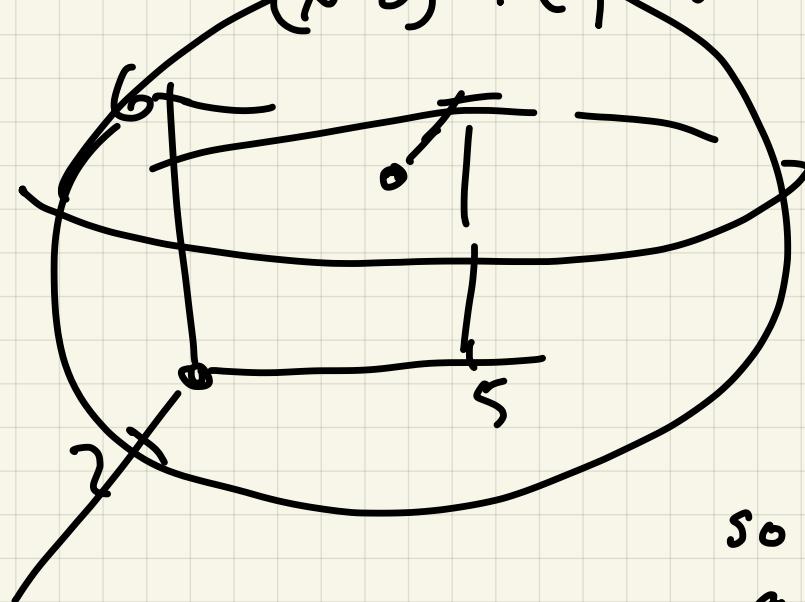
(b)



vertical  
disk,  
radii 3

2 (a)

$$(x-2)^2 + (y-5)^2 + (z-6)^2 = 64$$



dist  $(2, 5, 6)$  to  
 $(0, 0, 0)$  is

$$\sqrt{4+25+36} = \sqrt{65} > 8,$$

so origin is  
outside sphere