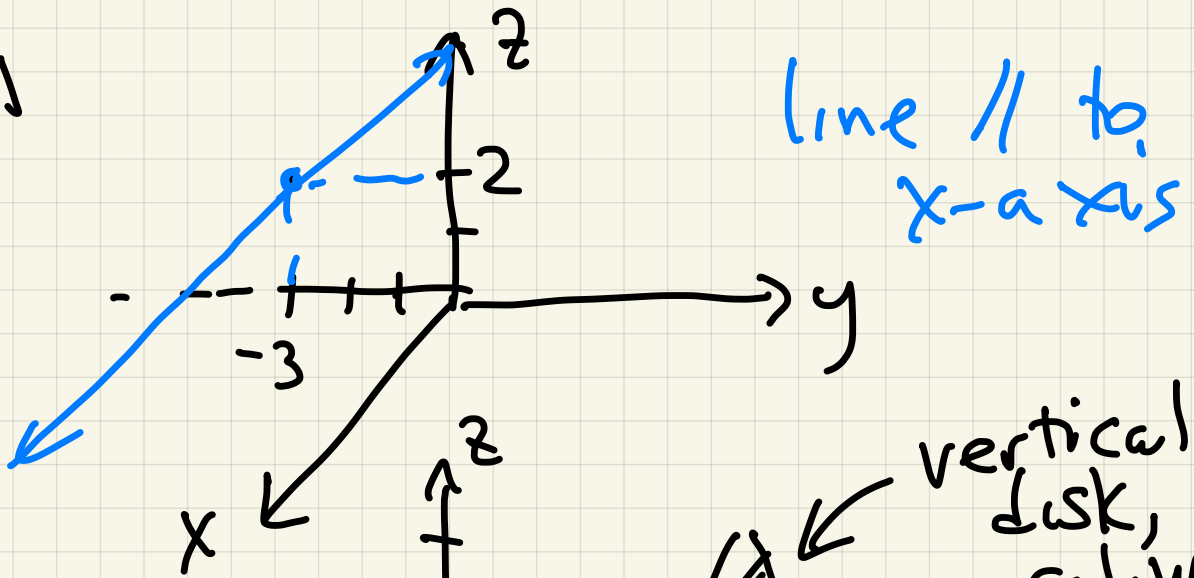


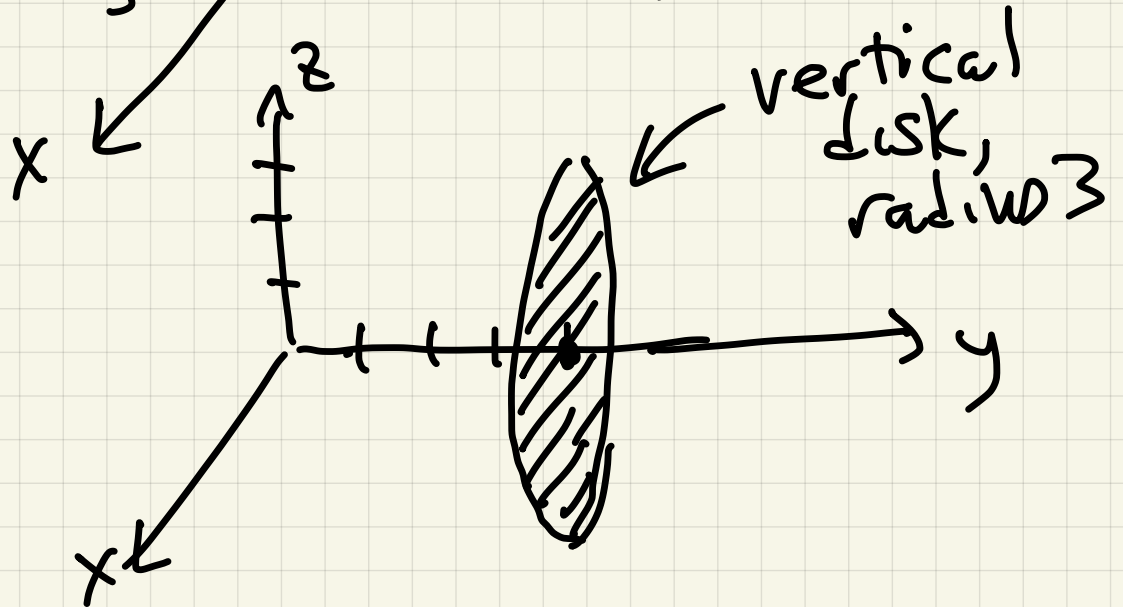
Quiz 1

1. (a)



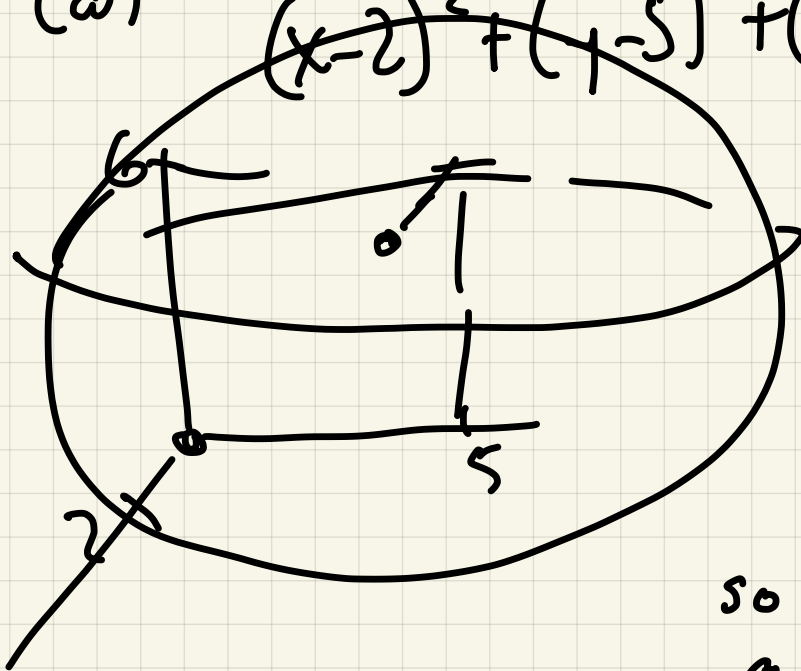
line // to x-axis

(b)



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