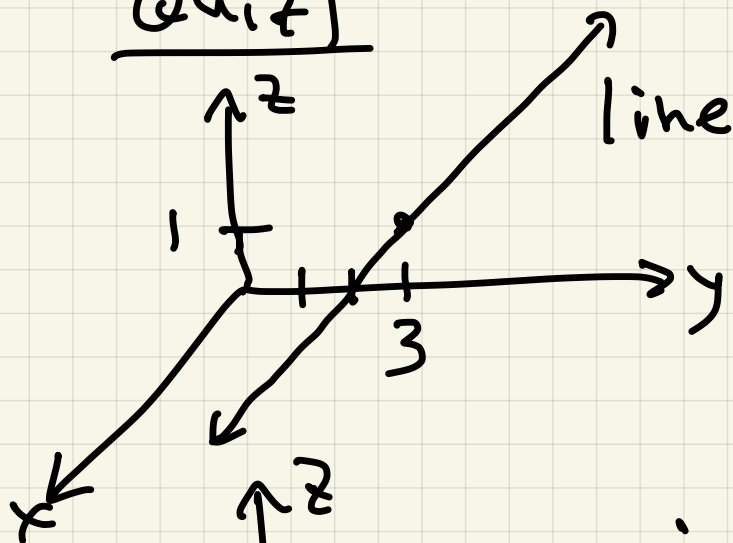
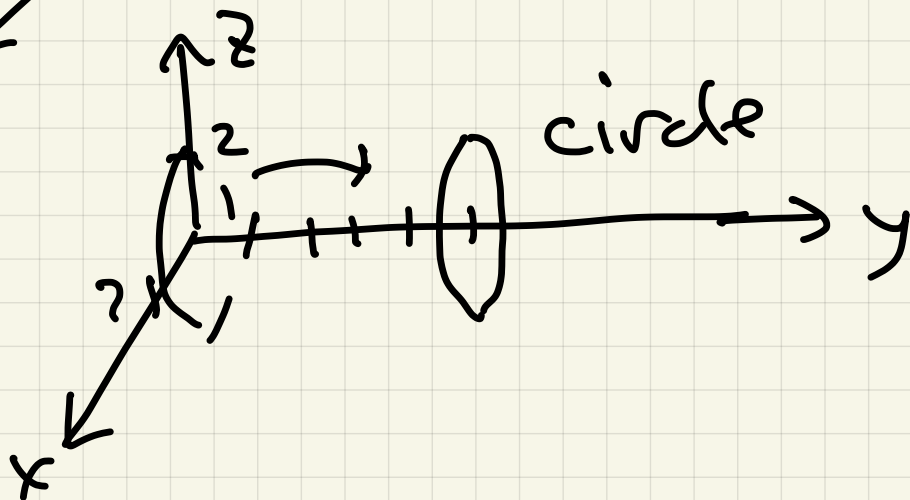


Quiz

1. (a)



(b)



2. (a) $(x-3)^2 + (y-4)^2 + (z-5)^2 = 49$

(b) dist from $(0,0,0)$ to $(3,4,5)$

is $\sqrt{9+16+25} = \sqrt{50} > 7$, so

origin is outside sphere,