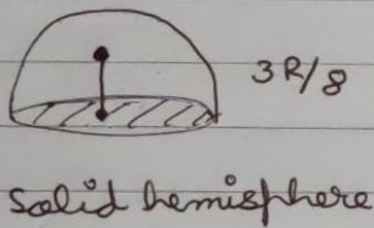
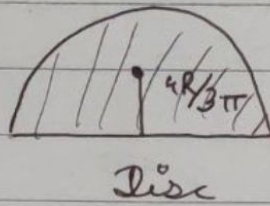
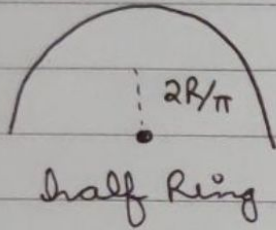


① Learn COM of general objects like half ring.



② Look for Symmetry while calculating position of COM.

③ Along with momentum conservation, try to apply energy conservation theorem.

④ In COM frame, Total momentum and net force ~~are~~ are always zero.