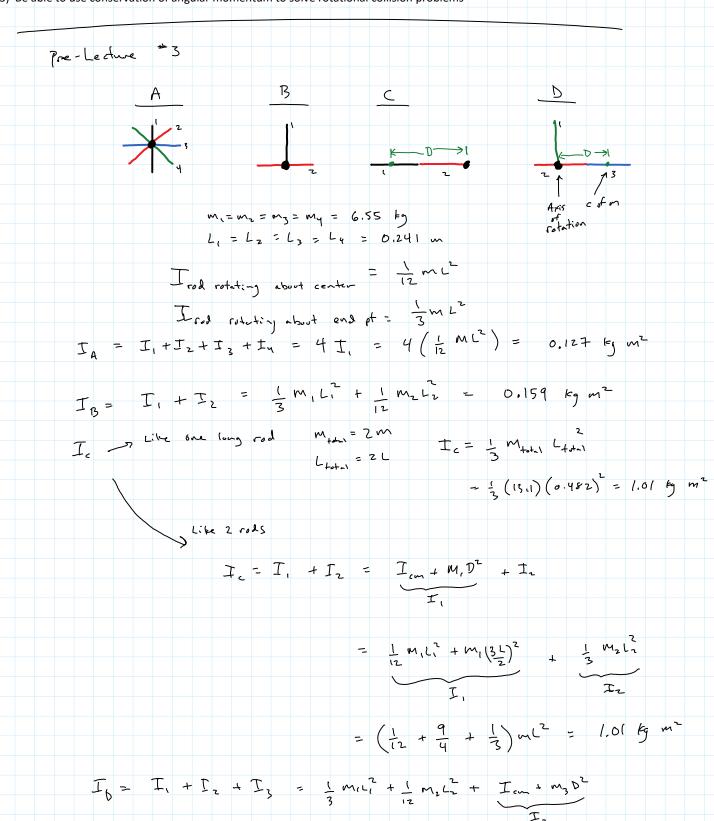
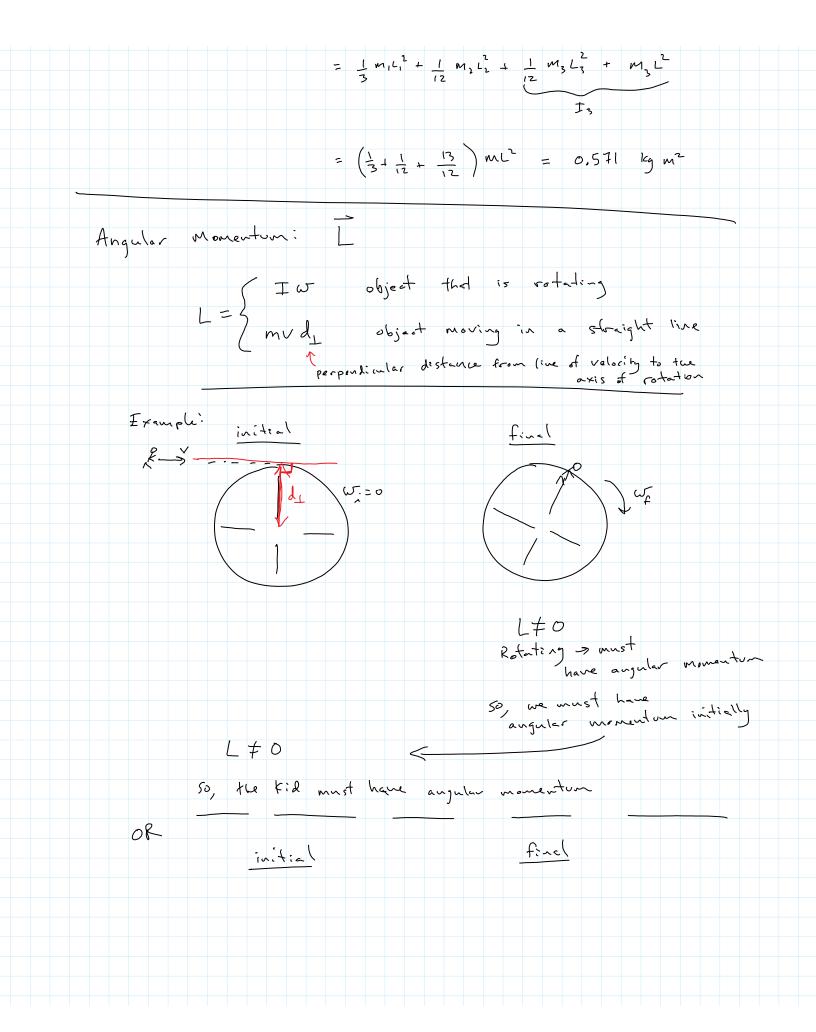
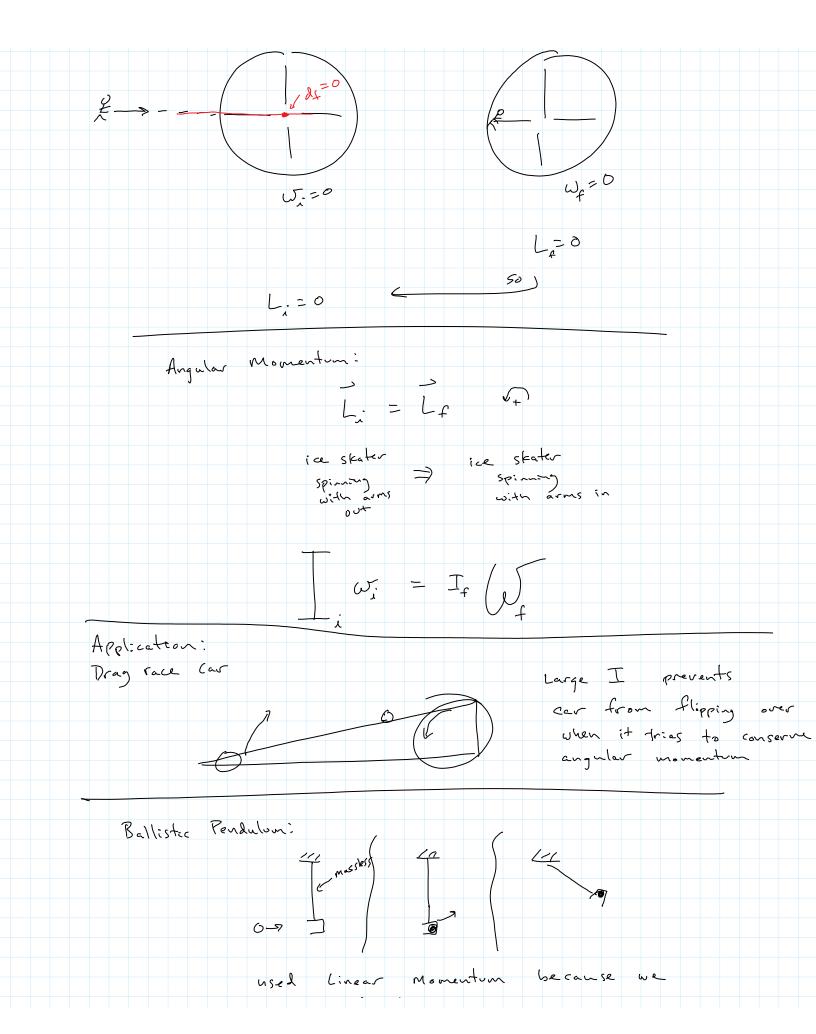
9.57 ΔΙ

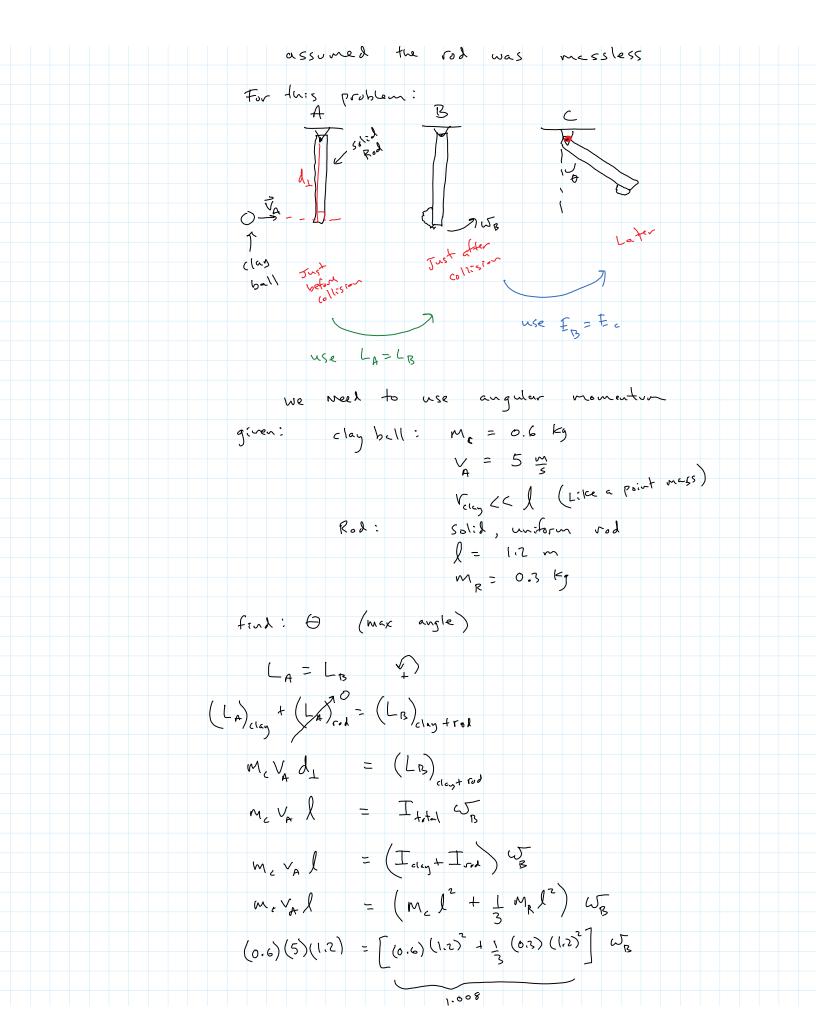
Goals for the Lecture:

- 1) Know how to calculate the angular momentum of objects moving in a straight lines
- 2) Know how to calculate the angular momentum of rotating rigid objects
- 3) Be able to use conservation of angular momentum to solve rotational collision problems









ω₈ = 3.57 rad Now, use energy to go from time B to time C EB = Ec No friction or external forces (Krotational) = (Ug) = 1 Ibom WE2 = Maghay + Mragh heling Loso Don Thong 1 cos + h = 1 h = 1 - 1 cos 0 $h_p = \frac{1}{2} - \frac{1}{2} \cos \theta$ he = 1/2 helay 1 total of = Maghalay + Mr. 1 g hair 1 (1.008) (3.57) = (0.6) (9.8) holey + (0.3) (9.8) holey h clay = 0.245 m = 1 - 1 cos 0

