PHYS 407 PHYS 407 1. All axis of rotation is a. yes yes 2. Hula hoop because its mass is further away from the axis of rotation 10. 0.639 seconds 11. 3,13 mls J=1d J=30.6 = 180 Nm

I=(=/2)(20)(=3600 12. 15 mm, to ree is parable to the motion $X = \frac{1}{1} \frac{1}{1}$ 9. It would be slightly slower due to the extra weight of cartman 6. Midet f they were the same, there would be no anywhor acceleration r= 0,1m ET= TBOOK JB- JA= = mr2 X