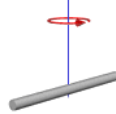


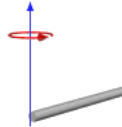
Moment of Inertia Derivations

Create a portfolio of moment of inertia derivations. No two derivations shall share the same sheet of paper. The derivations should be “publishable” in quality and content. **Due Friday January 29th, 2010**

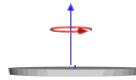
- Uniform Bar about center (M, L)



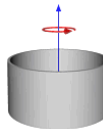
- Uniform Bar about end (M, L)



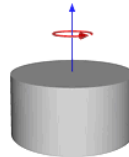
- Solid Circular Disk about center (M, R)



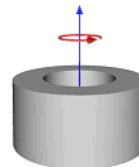
- Thin Circular Hoop about center (M, R)



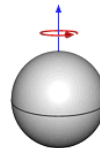
- Solid Cylinder about center (M, R, H)



- Hollow Cylinder about center (M, R_B, R_A, H)



- Hollow Sphere or Solid Sphere about Center (M, R)



The results are listed in table 10.2 of your text.