Homework Assignment #9
(due: Friday, November 9, 4:30 pm)

1. Center of Mass: Taylor problem (10.8) (6P)
   Hint: Use as temporary origin the center of the circle (the wire is an arc of this circle).

2. Lamina: Taylor problem (10.23) (4P)

3. Toblerone:
   3a. Taylor problem (10.12)
       Hint: For the moment of inertia you should obtain $\frac{Ma^2}{3}$ (7P)
   3b. Taylor problem (10.28) (6P)

4. Kinetic Energy of Rotating Rigid Body: Taylor problem (10.33) and proof also the BAC-CAB rule. (7P)

5. Principal Moments and Axes: Taylor problem (10.36) (7P)


7. Space Station: Taylor problem (10.44) (7P)