**Quiz #10**

**1.)**

I = 4(.200)

Final Answer: **I= .064**

**2.)** The moment of inertia of I(AB) will be less than the one of I(O) since more mass is located closer to the axis of rotation for I(AB) than for I(O). In other words, the radius for these weights will be smaller and hence by the formula listed above, the moment of inertia will be less for I(AB) than I(O).

**3.)**

I = 4((.200))

Final Answer: **I= .032**

**Yep, the answers agree since .032 is less than .064.**