Problem 8.3

For the system: a.) Derive an expression for the net torque about "O" about an axis perpendicular to the page.

b.) Derive an expression for the net torque about "C" (the center of mass) about an axis perpendicular to the page.











And because this force is motivating the beam to rotate counterclockwise around Point O, the torque is **POSITIVE**.





Just add the individual torques together . . .



The only things that's different about this will be the definition of "r." Know how to do that and you're home free.