





CheckPoint

In Case 1, a force F is pushing perpendicular on an object a distance L/2 from the rotation axis. In Case 2 the same force is pushing at an angle of 30 degrees a distance L from the axis.

In which case is the torque due to the force about the rotation axis biggest?





CheckPoint

Two hoops can rotate freely about fixed axles through their centers. The hoops have the same mass, but one has twice the radius of the other. Forces F_1 and F_2 are applied as shown.

How are the magnitudes of the two forces related if the angular acceleration of the two hoops is the same?

