A uniform horizontal beam 5.00 m long and weighing 3.00×10^2 N is attached to a wall by a pin connection that allows the beam to rotate. Its far end is supported by a cable that makes an angle of 53.0° with the horizontal. If a person weighing 6.00×10^2 N stands 1.50 m/trom the wall, find the magnitude of the tension in the cable



1 Using a screwdriver, you try to remove a screw from a piece of furniture, but can't get it to turn. To increase the chances of success you should us a screwdriver that



- 2 A constant net torque is applied to an object. Which one of the following will not be constant?
 - A angular acceleration
 - B angular velocity
 - C moment of inertia
 - D center of gravity

Torque and Angular Acceleration









3 Two rigid objects shown have the same mass, radius, and angular speed. If the same braking torque is applied to each, which takes longer to stop?



Chapter 8rec2.notebook

