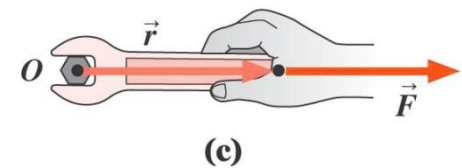
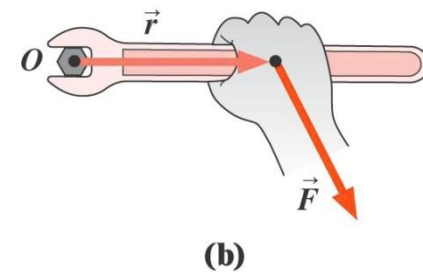
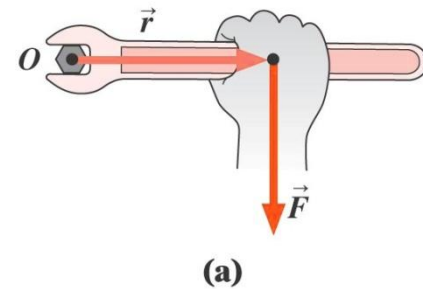


The forces in the figures all have the same magnitude. Which force produces zero torque?

- A. The force in figure (a)
- B. The force in figure (b)
- C. The force in figure (c)
- D. All of the forces produce torque

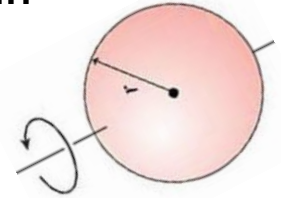


Consider these four objects with the same mass and the same radius. Consider the rotational inertias as indicated. Without looking up the table, order them in the order of increasing rotational inertias.

- A. HS, SS, HC, SC
- B. SS, SC, HS, HC
- C. SC, SS, HC, HS
- D. SS, HS, SC, HC

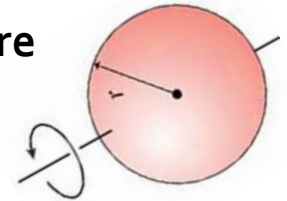
Hollow thin sphere

HS



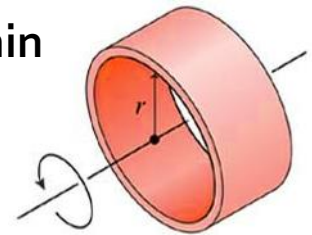
Solid sphere

SS



Hollow thin cylinder

HC



Solid cylinder

SC

