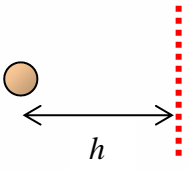
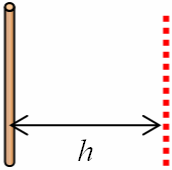
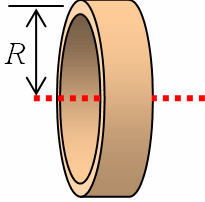
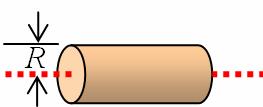
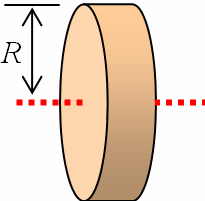
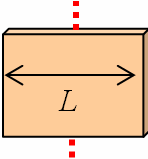
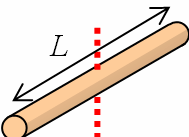
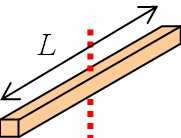
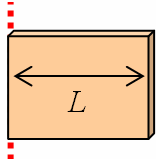
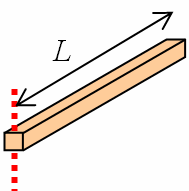
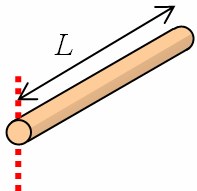
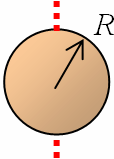
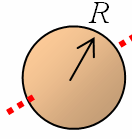
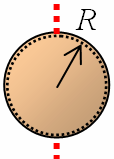
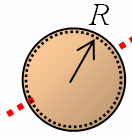


# Moments of Inertia

<p>Small particle</p> $I = mh^2$			
<p>Thin-walled hoop</p> $I = mR^2$			
<p>Solid cylinder</p> $I = \frac{1}{2}mR^2$			
<p>Thin stick or flat rectangular sheet</p> $I = \frac{1}{12}mL^2$			
<p>Thin stick or flat rectangular sheet</p> $I = \frac{1}{3}mL^2$			
<p>Solid sphere</p> $I = \frac{2}{5}mR^2$			
<p>Thin-walled hollow sphere</p> $I = \frac{2}{3}mR^2$			
<p>Parallel Axis Example: Solid sphere</p> $I = \frac{2}{5}mR^2 + mh^2$ 