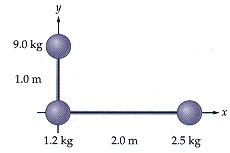
The L-shaped object in Figure 11-27 consists of three masses connected by light rods.

  
Figure 11-27

(a) What torque must be applied to this object to give it an angular acceleration of 1.27 rad/s2 if it is rotated about the *x* axis?   
\_\_\_\_\_\_\_\_\_1N·m  
(b) What torque must be applied to this object to give it an angular acceleration of 1.27 rad/s2 if it is rotated about the *y* axis?   
2 \_\_\_\_\_\_\_\_\_N·m  
(c) What torque must be applied to this object to give it an angular acceleration of 1.27 rad/s2 if it is rotated about the *z* axis (which is through the origin and perpendicular to the page)?  
\_\_\_\_\_\_\_\_\_3\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ N·m