

$$\boxed{B/52} \quad I_{xy} = m(\ell)(-\ell) + m(-\ell)(\ell) = \underline{-2m\ell^2}$$

$$I_{xz} = m(2\ell)(-\ell) + m(-2\ell)(\ell) = \underline{-4m\ell^2}$$

$$I_{yz} = \underline{0}$$