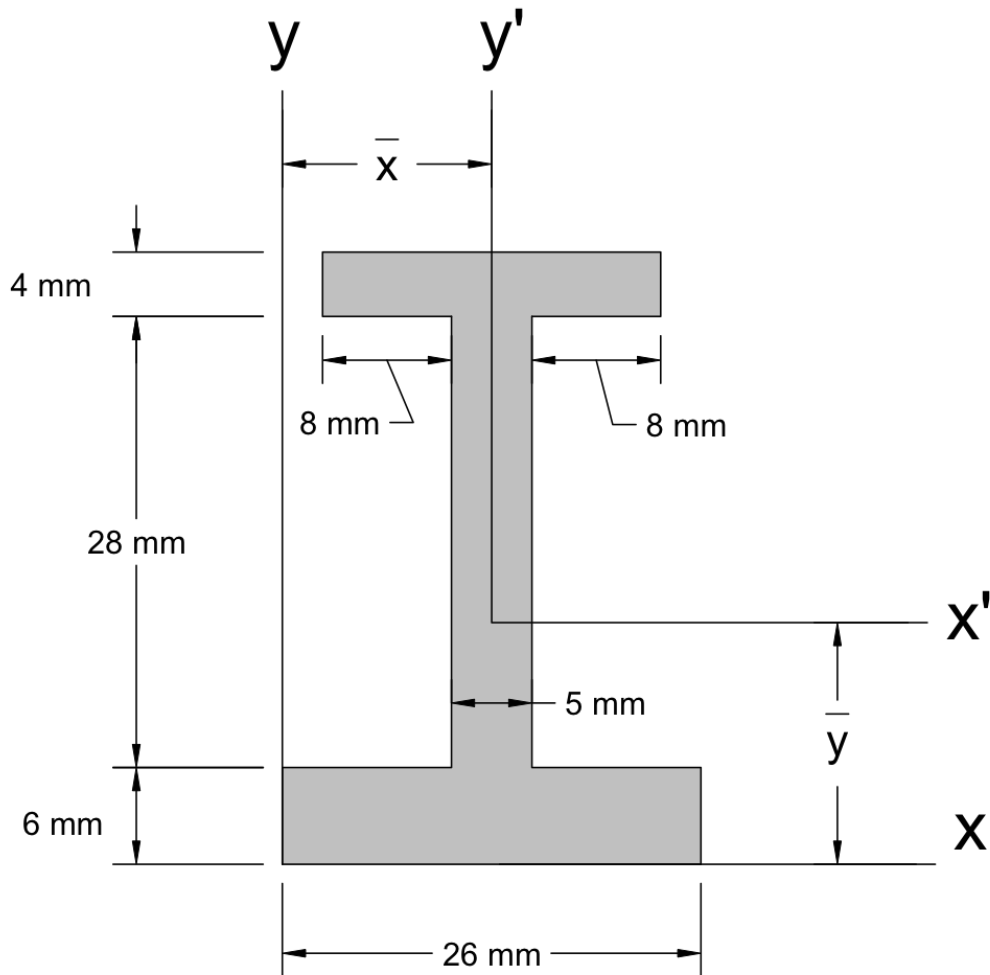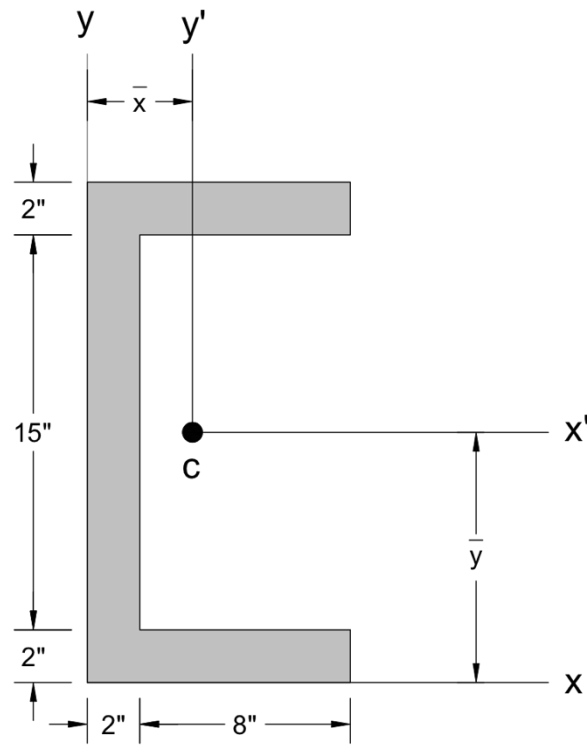1. Refer to the figures below. For each figure,
    a. Find the location of the centroid c with respect to the origin (i.e., find $\bar{x}$ and $\bar{y}$)
    b. Determine the moment of inertia for the shaded area about the x'-axis
    c. Determine the moment of inertia for the shaded area about the y'-axis

    i.

ii.

iii.