



**FIGURE P10-1**

### Problem 10-5

†10-5 Figure P10-1 shows a bracket made of steel.

- Find the location of its centroid referred to point  $B$ .
- Find its mass moment of inertia  $I_{xx}$  about the  $X$  axis through point  $B$ .
- Find its mass moment of inertia  $I_{yy}$  about the  $Y$  axis through point  $B$ .

† These problems are suited to solution using *Mathcad*, *Matlab*, or *TKSolver* equation solver programs.