



FIGURE P10-1

Problem 10-5

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

- a. Find the location of its centroid referred to point *B*.
- b. Find its mass moment of inertia I_{xx} about the *X* axis through point *B*.
- c. 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.