

## Exercise 6-1

1. Begin a new drawing.
2. Construct a hex head bolt, excluding threads, as a solid model. Make the bolt body  $5/16''$  diameter and  $2''$  long. Make the hex head  $1/2''$  across the flats and  $3/16''$  thick. Make the head and body a single solid.
3. Orient the bolt vertically with the head at the top.
4. Construct a second bolt oriented vertically with the head at the bottom.
5. Construct a flat-head wood screw, excluding threads, as a solid model. Make the body  $3/16''$  diameter at the base of the head,  $7/8''$  long, and taper to a point. Make the head  $3/8''$  in diameter, taper to the  $3/16''$  diameter body, and  $1/8''$  thick. Make the head and body a single solid.
6. Orient the wood screw so the head faces to the right of the screen at a  $90^\circ$  angle to the bolts.
7. Save the drawing as EX6-1.

To practice extruding regions, complete act06-01a.dwg and act06-01b.dwg available on the companion website.