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° 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.