

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.