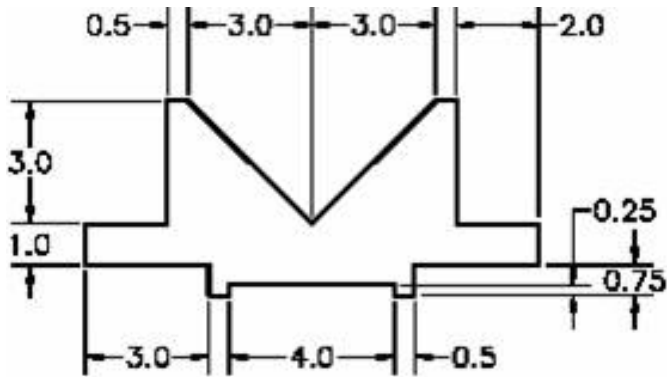
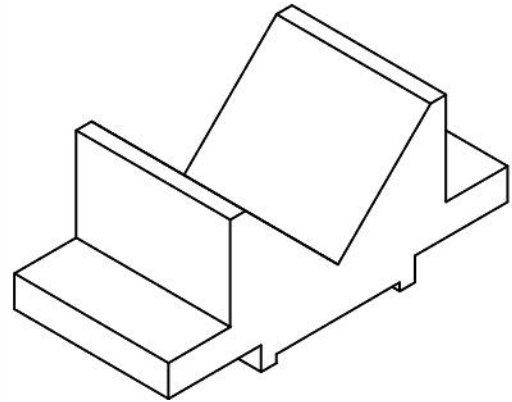


Exercise 1 – Reproduce the object shown below. Sketch the profile using the dimensions given, then **Extrude** to a depth of 5.0 inch. Turn in a copy by the start of lab. 4, include your name and section.

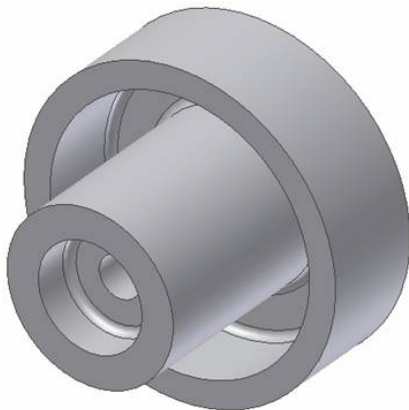


Profile (section)

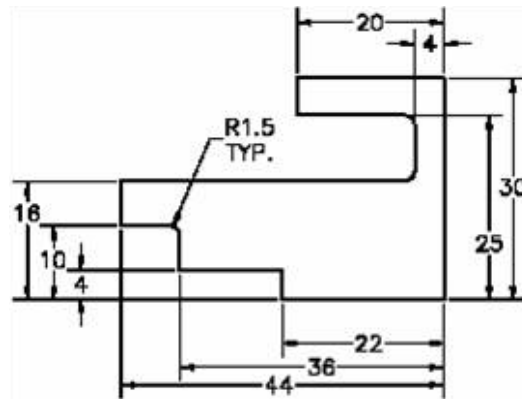


3D solid model

Exercise 2 - Reproduce the object shown below. Sketch the profile using the dimensions (mm) given, then use the **Revolve** command ( $360^\circ$ ) to create the object. Turn in a copy by the start of lab. 4, include your name and section.

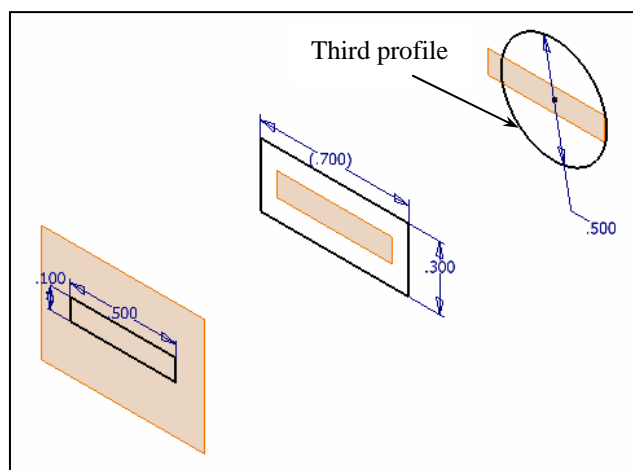
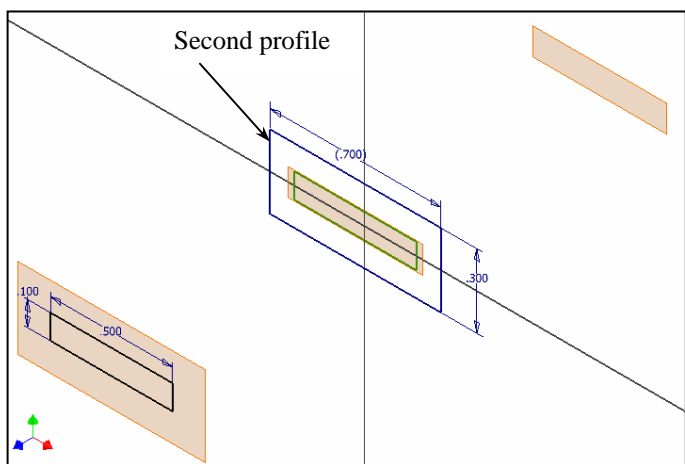
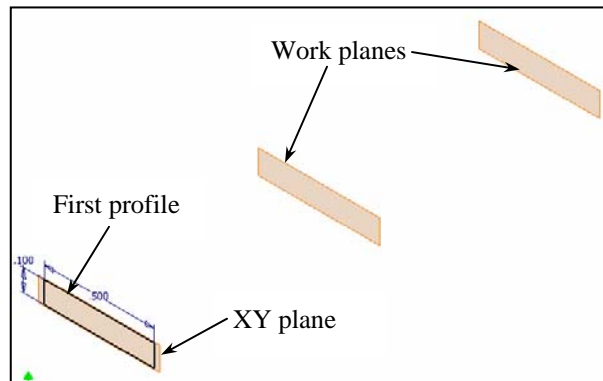
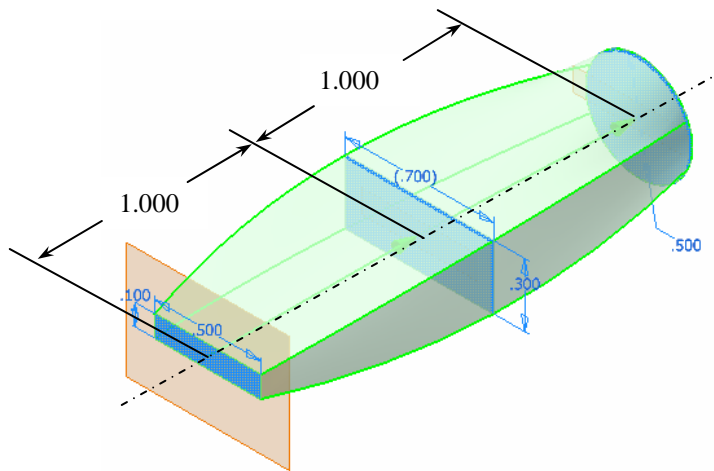


3D solid model



Profile (section)

Exercise 3 – You are asked to design the tip of a straight screw driver. The desired shape and dimensions are provided below. Sketch the three profiles on three sketch planes, use XY plane for the tip profile (rectangle .5 by .1) and create two work planes 1.0 in. apart. Sketch the other two profiles and use the *Loft* command to create the front section of the screw driver. Turn in a copy by the start of lab. 4, include your name and section.



3D model