ENGR 1182 | SolidWorks 5: Feature Based Modeling

SW05 - Activity

Breaking it Down into Steps:

- The object to the right can be created many different ways. Can you determine at least 2 different methods (starting on different planes) and create the same object?
- Try to start from different planes and see what the result is (Front, Top, Right)

Place your Name and Seat Number in a text box on the FRONT edge of the part and optionally constrain the text box using the FIX constraint.
- Expand all the SolidWorks History Tree so that each sketch label is visible.
- Maximize the SolidWorks window and use Zoom To Fit on the Isometric view
- Make a screen shot using the keyboard PrtScrn button, paste the image into a Word document and save the problem as a PDF. Also save the SolidWorks part as an SLDPR1 and submit both files for credit.
**Edge Features:**

Create the following shape according to the features and dimensions.

- First break this object down into features (you should be able to create this in 2 sketches)
- Then use 3D Fillets for the 4 rounded edges

➢ Place your Name and Seat Number in a text box on the FRONT edge of the part and optionally constrain the text box using the FIX constraint.
➢ Expand all the SolidWorks History Tree so that each sketch label is visible.
➢ Maximize the SolidWorks window and use Zoom To Fit on the Isometric view.
➢ Make a screen shot using the keyboard PrtScr button, paste the image into a Word document and save the problem as a PDF. Also save the SolidWorks part as an SLDPR7 and submit both files for credit.