

LAB Assignments for IENG 248L (so far ...)

Lab 01: Introduction to SolidWorks

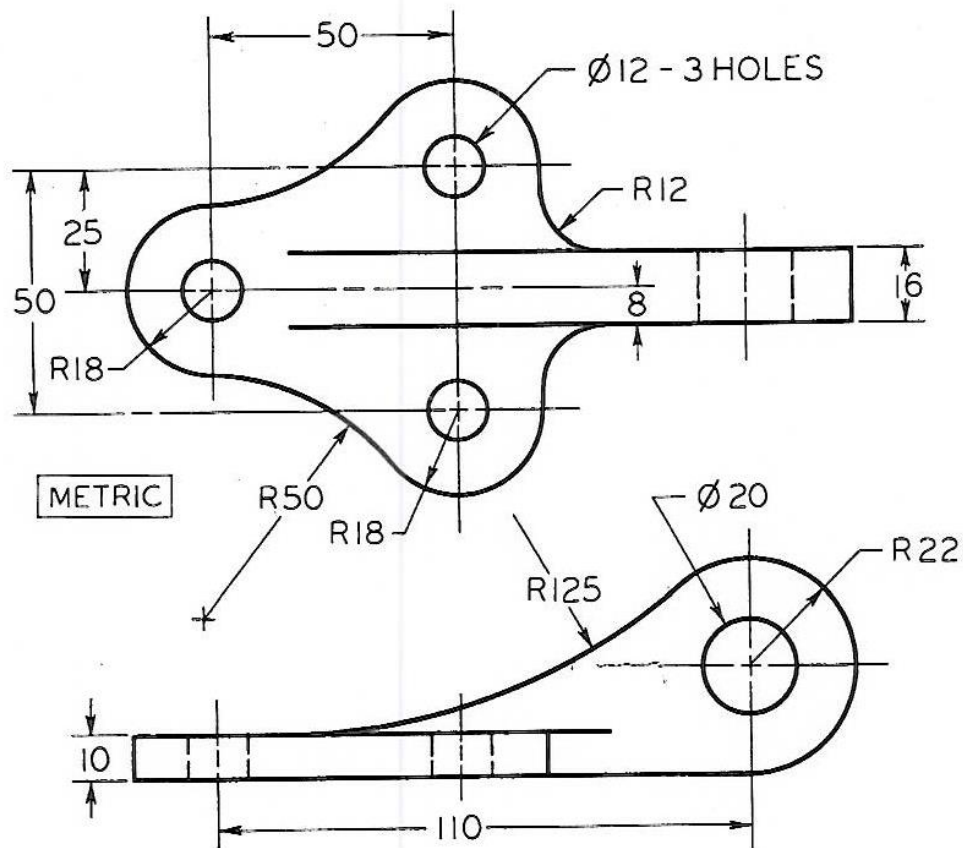
- Open SolidWorks, Open SolidWorks Curriculum: Tutorials
- Perform the Introduction to SolidWorks (~ 1 hour)
- Print out your drawing, staple it to a cover page

Due at the start of next **LAB**

Lab 02: : SolidWorks Lessons 1 - 3

- Open SolidWorks, Open SolidWorks Curriculum: Tutorials
- Perform the Lesson 1: **Parts** (~ 1/2 hour). Print out your part at the following stages:
 - After you have finished **Creating the Shell**
 - After you have almost completed **Creating a Section View of the Shell**, but still have a section view onscreen, and ...
 - After you have finished **Recreating the Face Fillets**, *skip* Steps 2 and 3 of **Adding a Realistic Appearance** (because most tablets do not have the graphics driver for the *RealView Graphics*), then print the Shaded (Trimetric) view
- Perform the Lesson 2: **Assemblies** (~ 3/4 hour). Print out your part at the following stages:
 - After you have finished **Changing the Color of a Part** (print the Trimetric View)
 - After you have completed **Using Display States** (print the Trimetric View)
- Perform the Lesson 3: **Drawings** (~ 1/4 hour). Print out your drawing at the following stages, (staple all to a cover page):
 - After you have finished **Printing the Drawing**

Due at the start of next **LAB**.



■ **FIGURE 3.30** ■ (Proj. 3.8) Boiler Stay.

HW03: Turn in the following with a cover sheet. (Remember to always sketch the correct line patterns and line weights in drawings for full credit):

- 1.) Sketch the symbol for a third angle projection
- 2.) Complete HO 5.5 and HO 5.6 on the photocopies
- 3.) Draw the following Projects (p.152) two per page:
3, 4, 16, and 22 (note: numbers are below object)
- 4.) Draw the following Projects (p.154) two per page:
6, and 11 (note: numbers are below object)

See the link on the Schedule page for photocopies handed out in class ... HW 03.

HW04: Turn in the following with a cover sheet. (Remember to always sketch the correct line patterns and line weights in drawings for full credit):

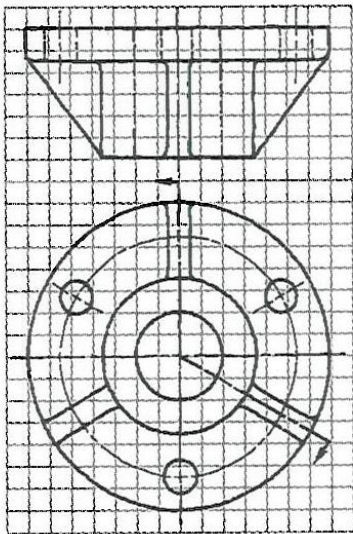
- 1.) Draw the following Exercises (p.207):
5.7, # 4 (note: numbers are above object)
- 2.) Draw the following Exercises (p.210):
5.19 (note: numbers are below object)
- 3.) Draw the following Exercises (p.211):
5.28 (note: numbers are below object)

See the link on the Schedule page for photocopies from 5th edition of course text ... HW 04.

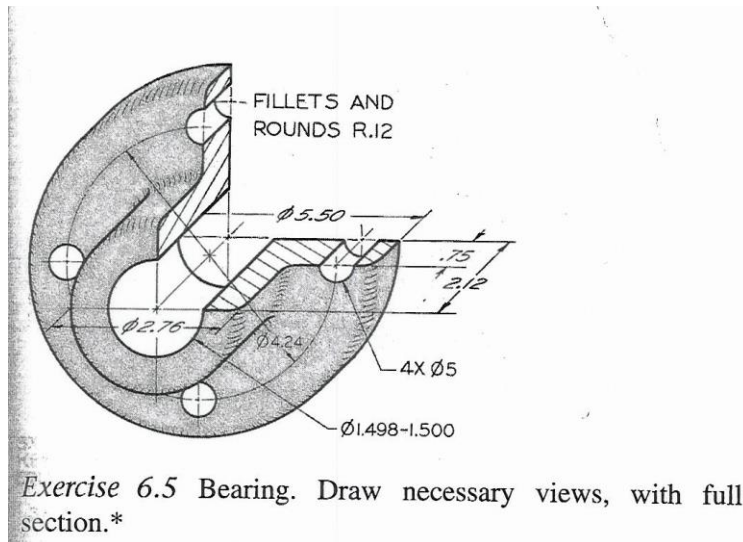
HW05: Turn in the following with a cover sheet. (Remember to always sketch the correct line patterns and line weights in drawings for full credit):

- 1.) Sketch section for 6.4 - j only on p. 244.
- 2.) Sketch the necessary views for 6.5, p. 245 (no dimensions necessary)
- 3.) Sketch the necessary views for 6.19, p. 247 (no dimensions necessary); include the (1) broken-out and both (2) revolved sections

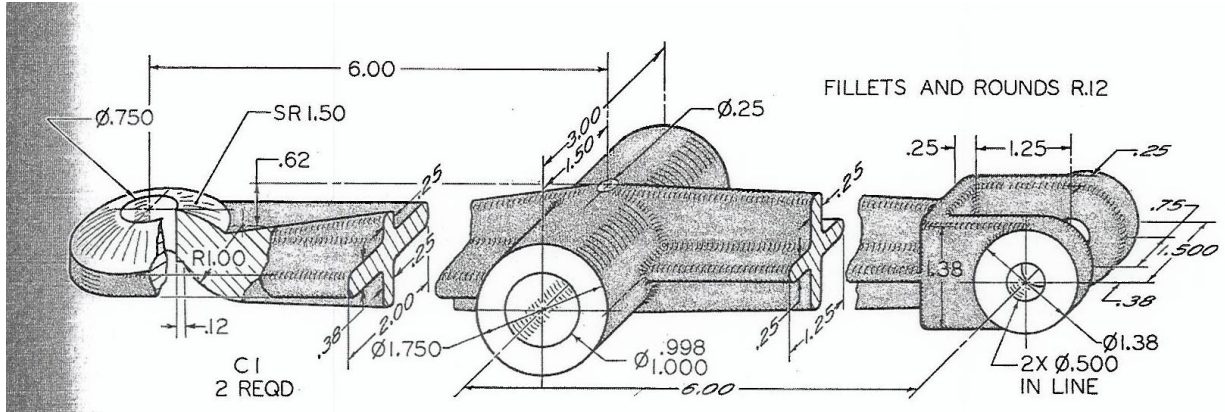
See the next page for photocopies from 5th edition of course text ... HW 05.



(j)



Exercise 6.5 Bearing. Draw necessary views, with full section.*



Exercise 6.19 Rocker Arm. Draw necessary views, with revolved sections.*