

DUE DATE _____ NAME _____

ENGR/DRAFT 105 Assignment #10, Sections

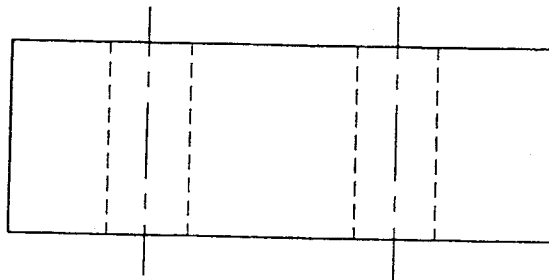
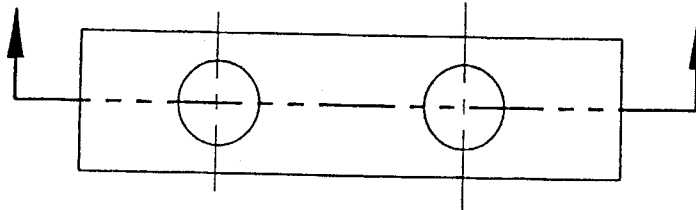
Complete the 3 sheets on sections (pages 269 & 271 and Plate 20). Drawings may be done as sketches or mechanically. Keep the following things in mind when drawing orthographic sectional views:

- Visible edges behind the cutting plane should be shown.
- Hidden lines should be omitted in sectional views (sections are used primarily to replace hidden line representations, but sometimes hidden lines are necessary for clarity).
- Center lines should be included.
- The cross hatching of a single object must all be in the same direction in an orthographic projection sectional view.

Staple this sheet to the front of your drawings in the correct order. Write your name at the top of the page. Write your name on each drawing.

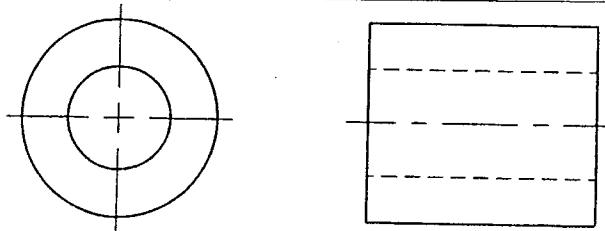
EXERCISE 10-1

Modify the front view below to make it a full section.



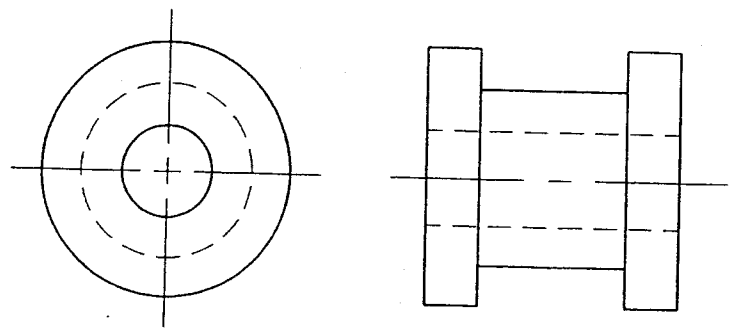
EXERCISE 10-2

In the figure below, modify the right side view to make it a full section. Add the cutting plane line to the front view.



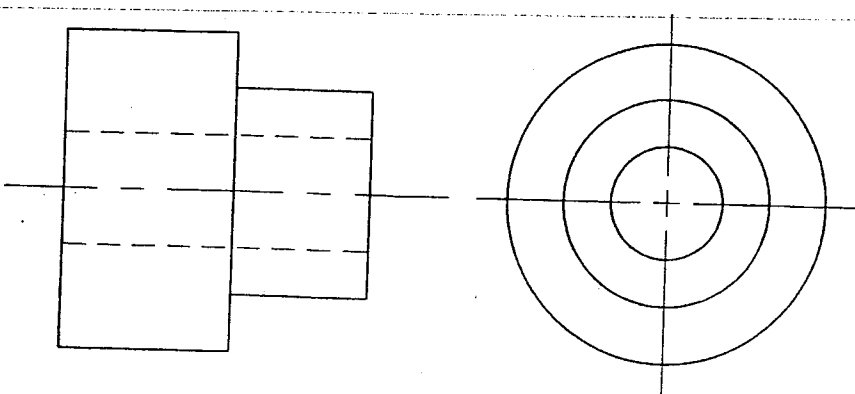
EXERCISE 10-3

In the figure below, a front view and right side view are given. Draw a left side view as a half-section.



EXERCISE 10-4

In the figure below, the front and left side views are given. Draw the right side view as a full section.



Given the two orthographic views shown, using freehand sketching complete the a full-section view of the Interlocking Disc, located in the missing orthographic location. Show the cutting plane and use all appropriate line thicknesses. 20

