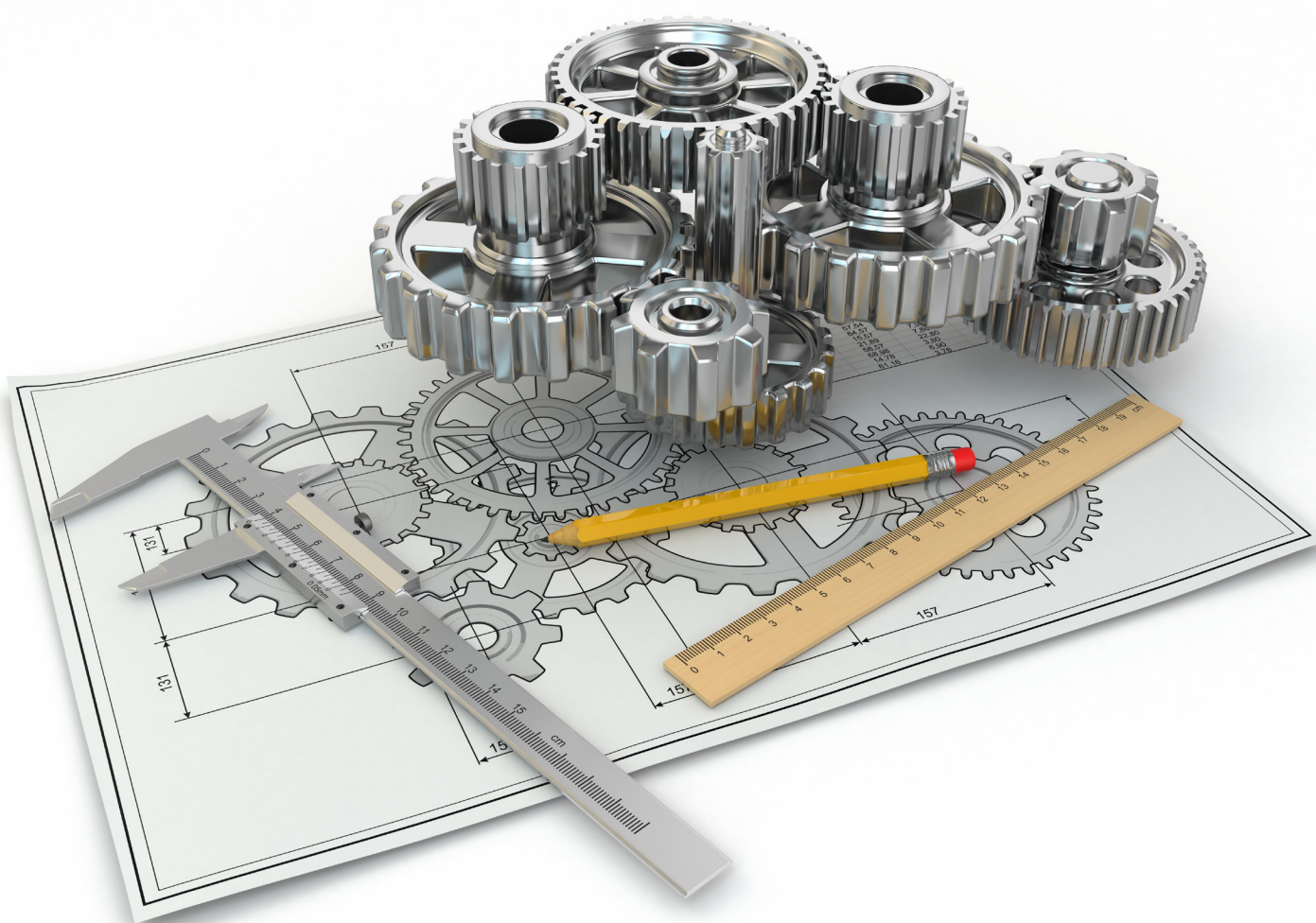


ENGINEERING GRAPHICS PRINCIPLES

WITH GEOMETRIC DIMENSIONING
AND TOLERANCING

Second Edition



E. Max Raisor FIAE



Better Textbooks. Lower Prices.
www.SDCpublications.com



ACCESS CODE
UNIQUE CODE INSIDE

Visit the following websites to learn more about this book:



[amazon.com](https://www.amazon.com)

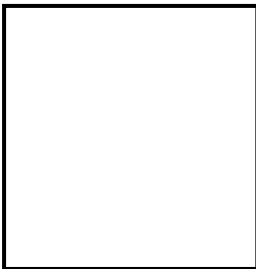
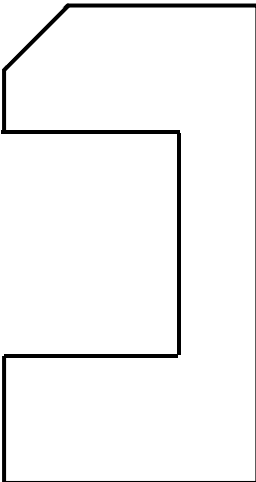
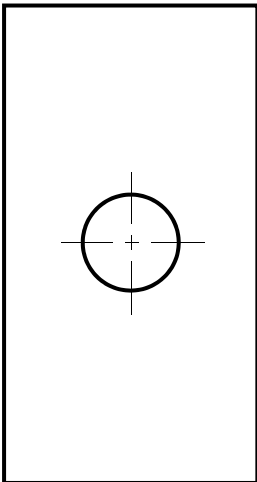
[BARNES & NOBLE](https://www.barnesandnoble.com)

Orthographic Projection Problems

The following problems correspond with the slides in the *Introduction* and *Orthographic Projection* presentation. Follow the instructions for each problem, and for all but the special slides labeled “*Self Evaluation*”, solution slides are available in the presentation materials in the digital content.

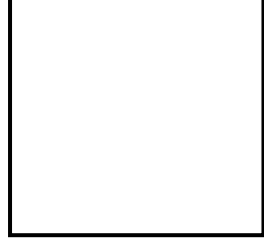
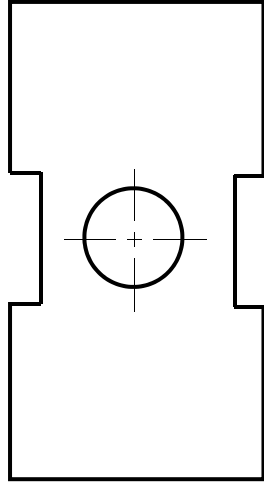
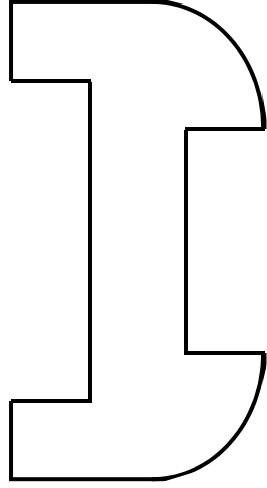
Problem #1—Orthographic Projection

Complete the views below by projecting all missing lines.



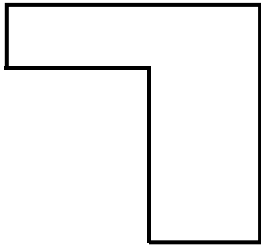
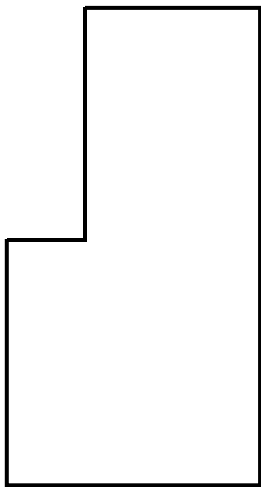
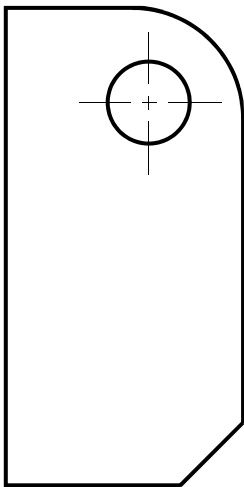
Problem #2—Orthographic Projection

Complete the views below by adding any missing lines in all three views.



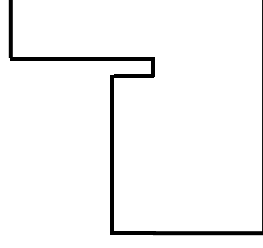
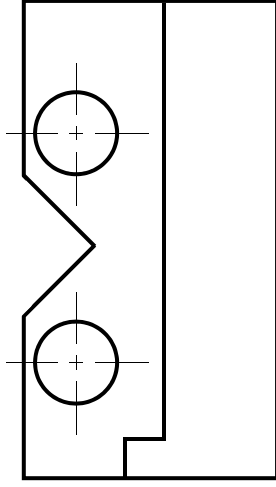
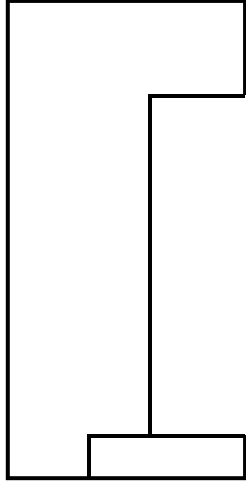
Problem #3—Orthographic Projection

Complete the views below by adding any missing lines in all three views.



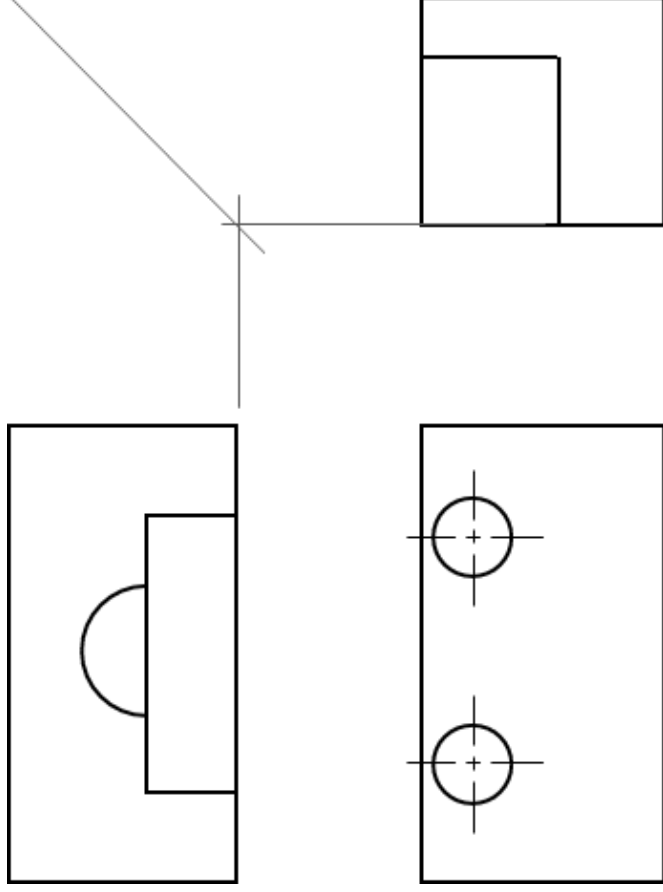
Problem #4—Orthographic Projection

Complete the views below by adding any missing lines in all three views.



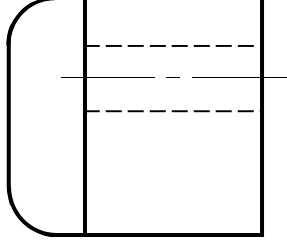
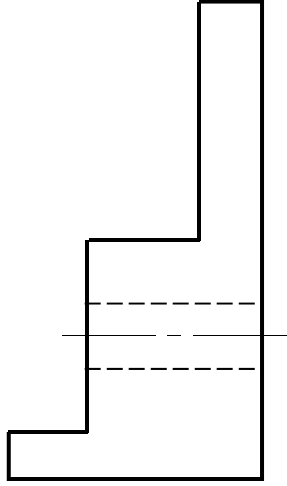
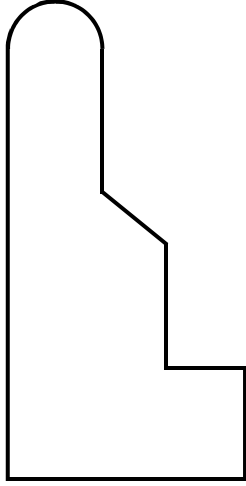
Problem #5—Orthographic Projection

Complete the views below by adding any missing lines in all three views.



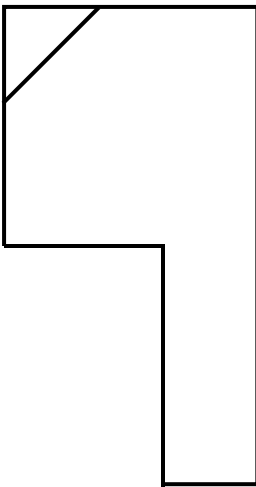
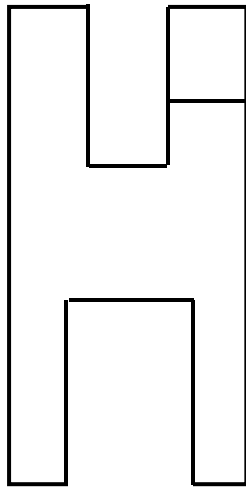
Problem #6—Orthographic Projection

Complete the views below by adding any missing lines in all three views.



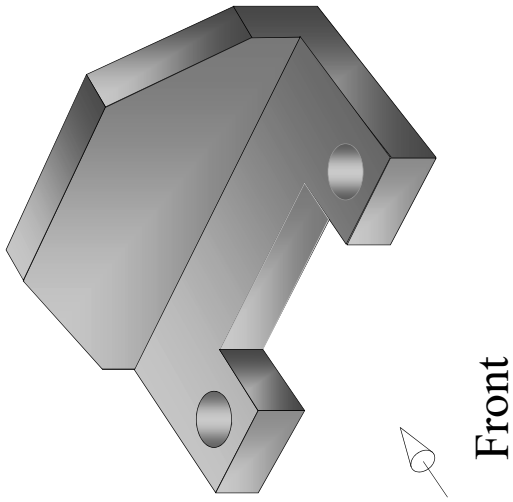
Problem #7—Orthographic Projection

Complete the views below by adding any missing lines in all three views.



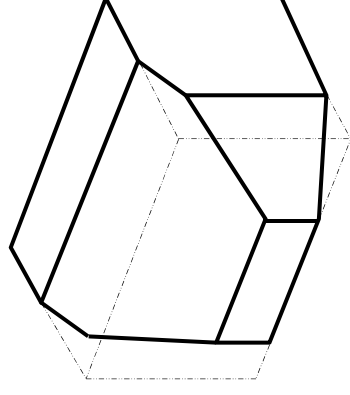
Problem #8—Orthographic Projection

Using the principles of orthographic projection, construct the front, top, and right side views of the object shown below.



Problem #9—Orthographic Projection

Using the principles of orthographic projection, construct the front, top, and right side views of the object shown below.

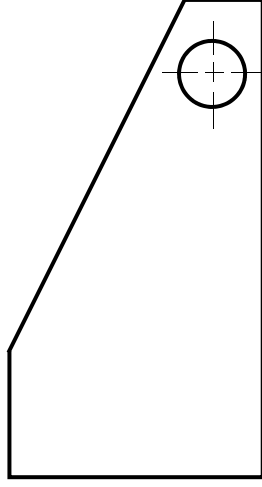
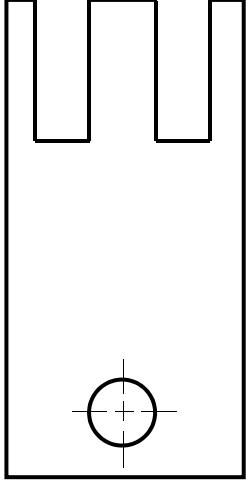


Orthographic Projection SELF EVALUATION

There are four self-evaluation problems in this section.

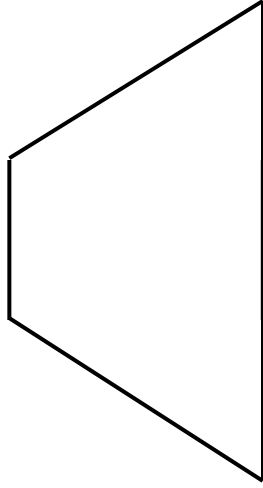
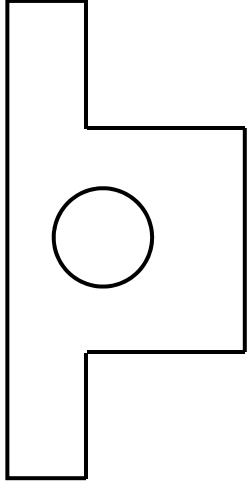
Problem #10—Orthographic Projection
Self Evaluation (Consisting of Problems 10 – 14)

Complete all three views by adding any lines that may be missing. Make certain that all object, hidden, and center lines are accounted for in each of the three views.



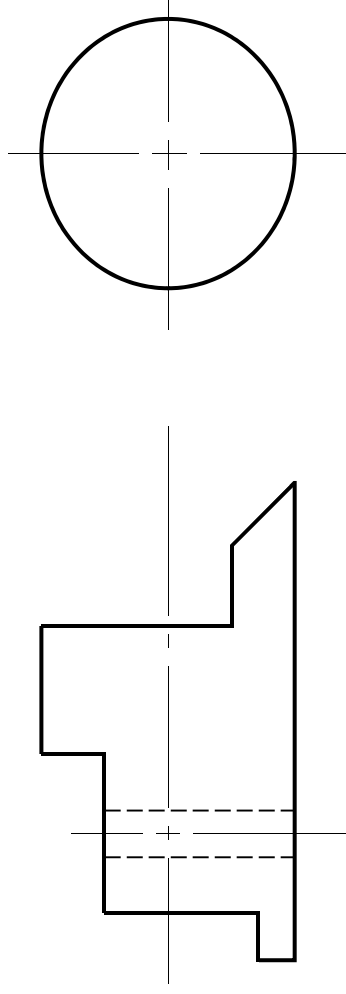
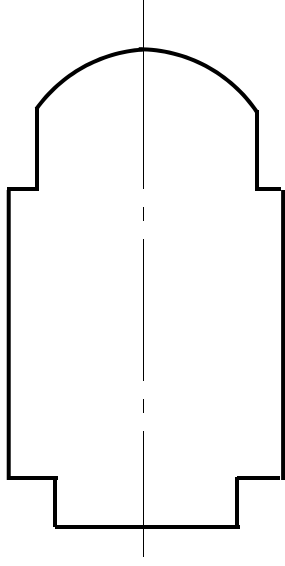
Problem #11—Orthographic Projection
Self Evaluation (Consisting of Problems 10 – 14)

Complete all three views by adding any lines that may be missing. Make certain that all object, hidden, and center lines are accounted for in each of the three views.



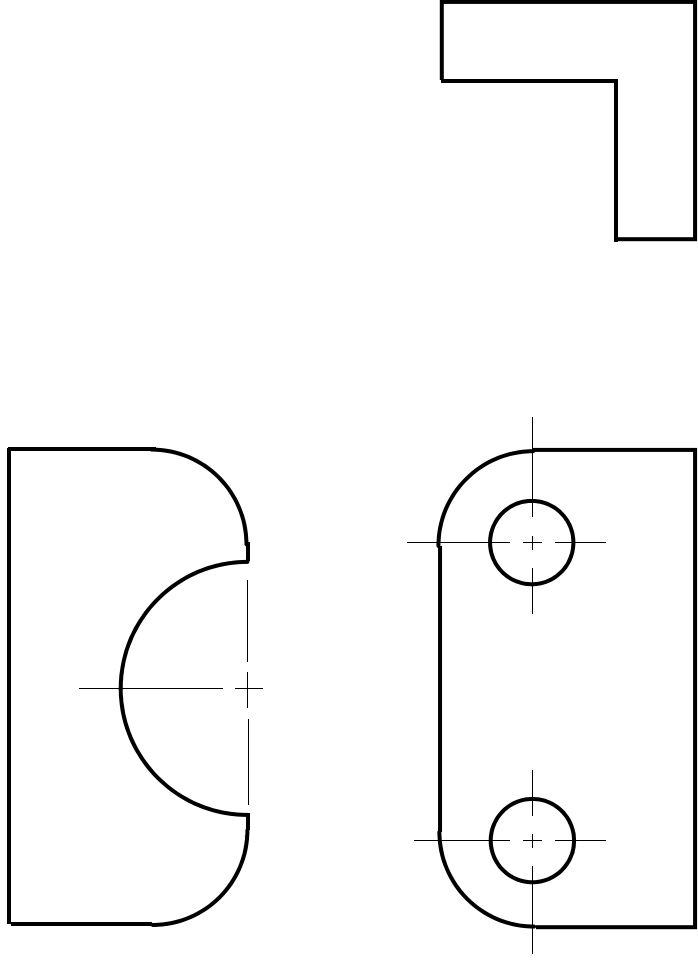
Problem #12—Orthographic Projection Self Evaluation (Consisting of Problems 10 – 14)

Complete all three views by adding any lines that may be missing. Make certain that all object, hidden, and center lines are accounted for in each of the three views. *Problems 10-14 in your packet are to be turned in for evaluation and grading (see due date for assignment #1 on your class schedule).*



Problem #13—Orthographic Projection
Self Evaluation (Consisting of Problems 10 – 14)

Complete all three views by adding any lines that may be missing. Make certain that all object, hidden, and center lines are accounted for in each of the three views.



Problem #14—Orthographic Projection Self Evaluation (Consisting of Problems 10 – 14)

Complete all three views by adding any lines that may be missing. Make certain that all object, hidden, and center lines are accounted for in each of the three views (the small hole in the front view is a threaded (tapped) hole). *Problems 10-14 in your packet are to be turned in for evaluation and grading (see due date for assignment #1 on your class schedule).*

