

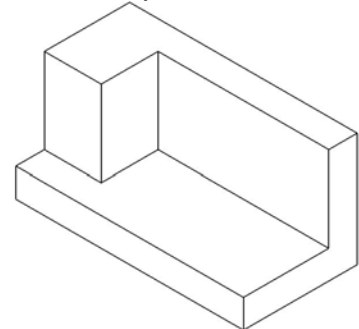
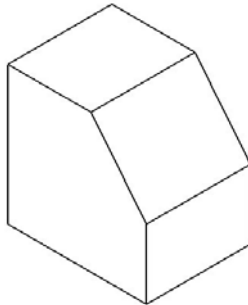
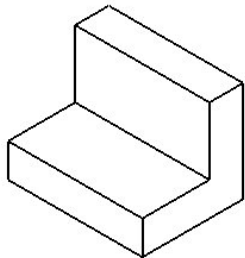
## Homework 2

E 122/ 125 – Engineering Drawing/ Graphics  
Due in Class, Week 3

General instructions – create drawings using practices discussed in class. Neatness counts. Use 1 sheet of 8.5x11" inch white (not graph) paper per set of views (or per part) in "landscape" orientation (page is longer in horizontal direction). Draw a simple border that outlines each page, 1/4" in from each edge. Then draw a rectangular title block in the lower right corner (5" long x 1" high). In the title block, draw light guide lines for 3/16" high letters on 2 lines (with spacing above, below, and in between). On the first line, put your first & last name. On the second line, put the course # & hw #.

Use pencil (& ruler or hand sketch) per instructions below.

1. Read Jensen text, Chap 4-1 (lettering portion, p. 47-49 in 7<sup>th</sup> Edition or p. 52 – 54 in 6<sup>th</sup> Edition), 4-4 (sketching), 3-1 (sheets), Chap. 4, & Chap. 6-2.
2. On one sheet of paper, do the following:
  - a) Hand-sketch the isometric figures below, being as neat as possible. Note – leave a space for the lettering exercise (part (d)).
  - b) Draw the figures again, but use a 30-60-90 triangle, being as neat as possible.



- c) On the same page, neatly print the alphabet and all numbers (0-9). Use the vertical block lettering that is typical for engineering drawings and that is described in your text book (and also in lecture). Letters should be .188 inches high (i.e., 3/16"). This height must be measured using a ruler and drawing light guide lines. Neatness counts.

3. Managing space on a drawing.

- Use a pencil & ruler to duplicate the drawing views below, using 1 sheet of paper for each part (that is, for each SET of views).
- Follow the general instructions above for paper, border, & title block, etc.
- As discussed in class, draw everything LIGHTLY first, then darken last.
- Draw each of the parts below at full (1:1) scale. Space & align the views as discussed in Chap. 6-2 (& in class).
- EXCLUDE the isometric view & dimensions. INCLUDE any hidden lines.

