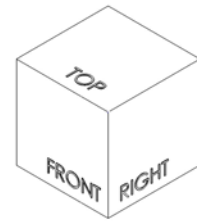


# Homework 3

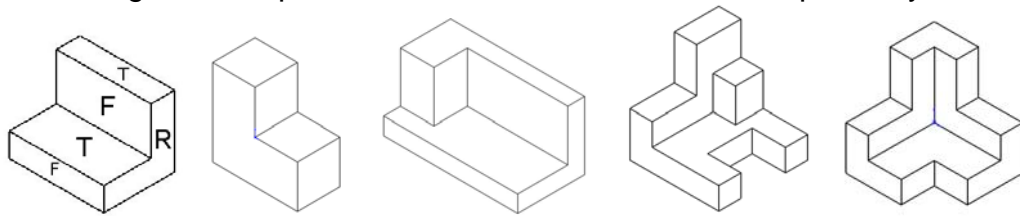
E 122/ 125 – Engineering Drawing/ Graphics  
Due in Class, Week 4



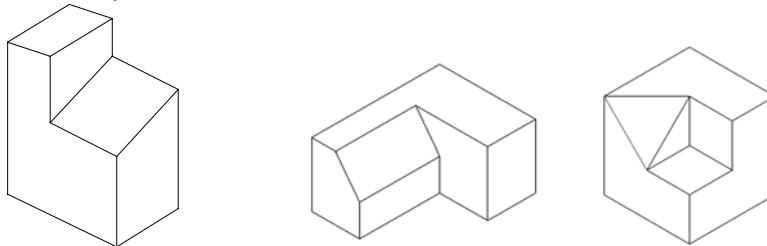
General instructions – create drawings using practices discussed in class. Neatness counts. Use 1 sheet of 8.5x11” inch white (NOT graph) paper per set of views (or per part) in “landscape” orientation (page is longer in horizontal direction). Draw a simple border per instructions from hw 2. Use cube above to determine which part sides are top, front, & right. Do not draw the orthographic views.

Use pencil & ruler or hand sketch per instructions below (except use CAD for last problem)

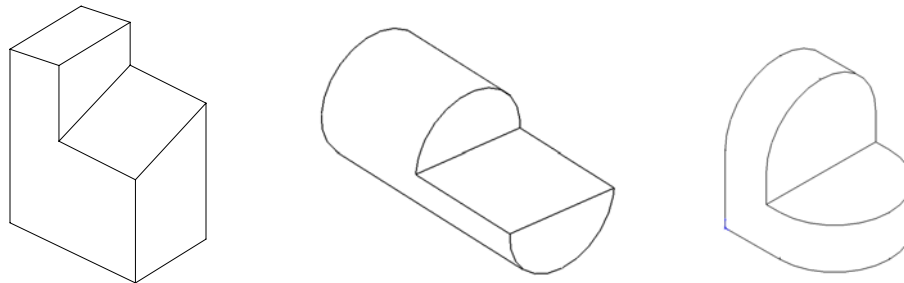
1. Use a ruler and 30-60-90 triangle to draw each of the isometric views below (including the 1<sup>st</sup> one!). Then label each visible surface with an “F”, “R”, or “T” to indicate surfaces that are parallel to the front, right, and top surfaces of the reference cube, respectively.



2. Use a ruler and 30-60-90 triangle to draw each of the parts below, which have inclined or oblique surfaces. Label each visible surface with the appropriate letter(s) indicating which view(s) the surface’s area can be seen in (refer to the “labeled cube” in the problem above). cr(e.g., TF, for top & front).



3. Use a ruler and 30-60-90 triangle to draw the parts below (you may hand sketch curves). Then indicate the LINE RULES for EACH LINE on the part (do NOT label surfaces as with problems #1 & #2). The line rules are: (1) Edge, (2) edge view of surface, or (3) contour/profile/limit of surface.



4. Get into AutoCAD. Draw some lines. Plot in monochrome. Hand in sheet.