

Figure 1: Rocker arm drawing

- b. Create a computer drawing for the special cam shown in Figure 2. Remember to label all the dimensions in your drawing. (7%)

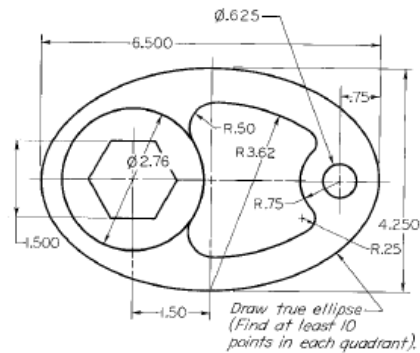


Figure 2: Special cam drawing

- c. Create a computer drawing for the gear arm shown in Figure 3. Remember to label all the dimensions in your drawing. (7%)

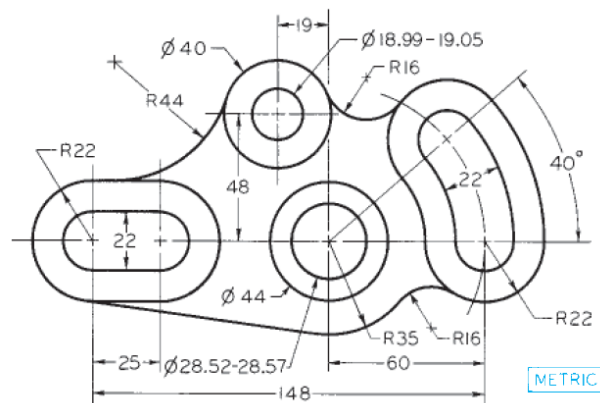


Figure 3: Gear arm drawing

2. Draw the Figure shown below according to the dimensions (Metric) provided. From your drawing determine what the missing distances must be. Use the scale of your choice. (15%)

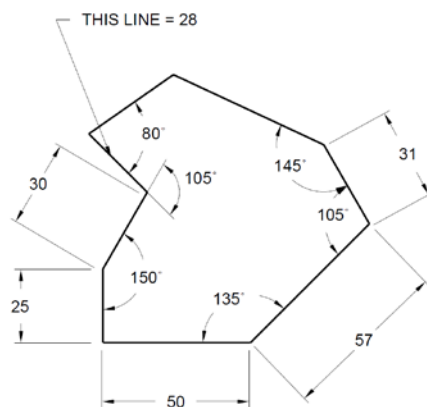


Figure 4: Puzzle

3. Draw an isometric and a cavalier oblique drawing of each Figure below. For Figure 5 and 6 the depth of the object is 3 Metric units. For Figure 7 the thickness is 8 English units. Use the scales of your choice. (30%)

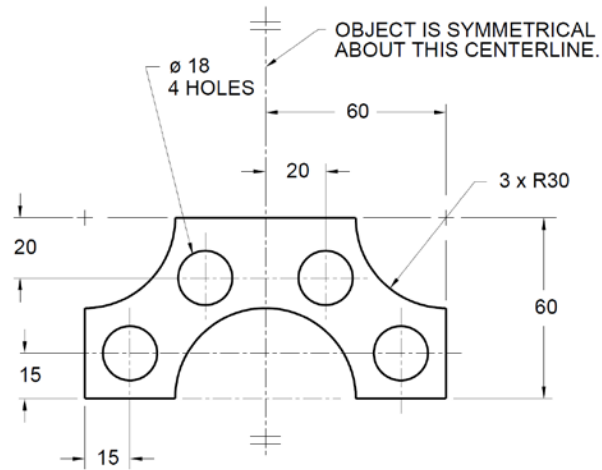


Figure 5: Bracket

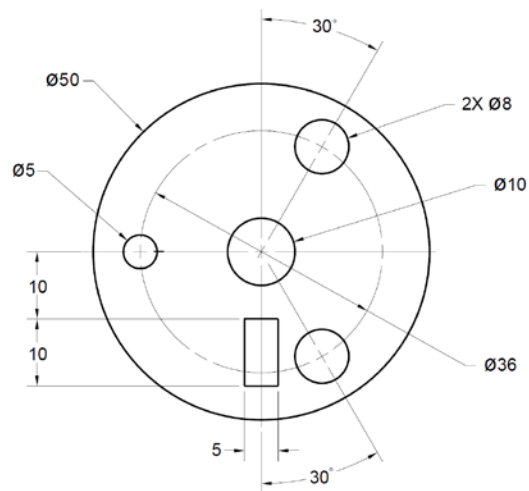


Figure 6: Flange

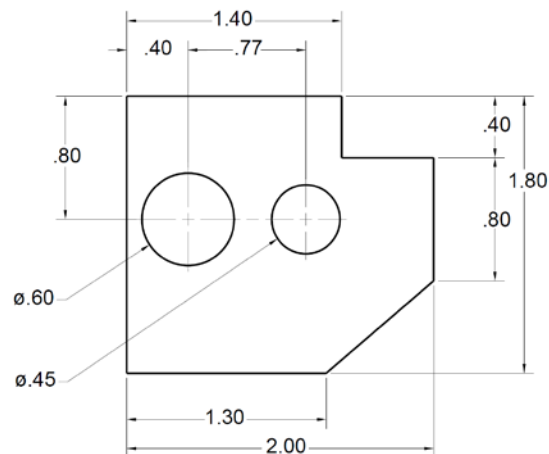


Figure 7: Gasket

4. Lay out the necessary orthographic views of the oblique bracket. In addition, show a section view of the object and show the cutting plane in your drawing. Use English units and the scale of your choice. (35%)

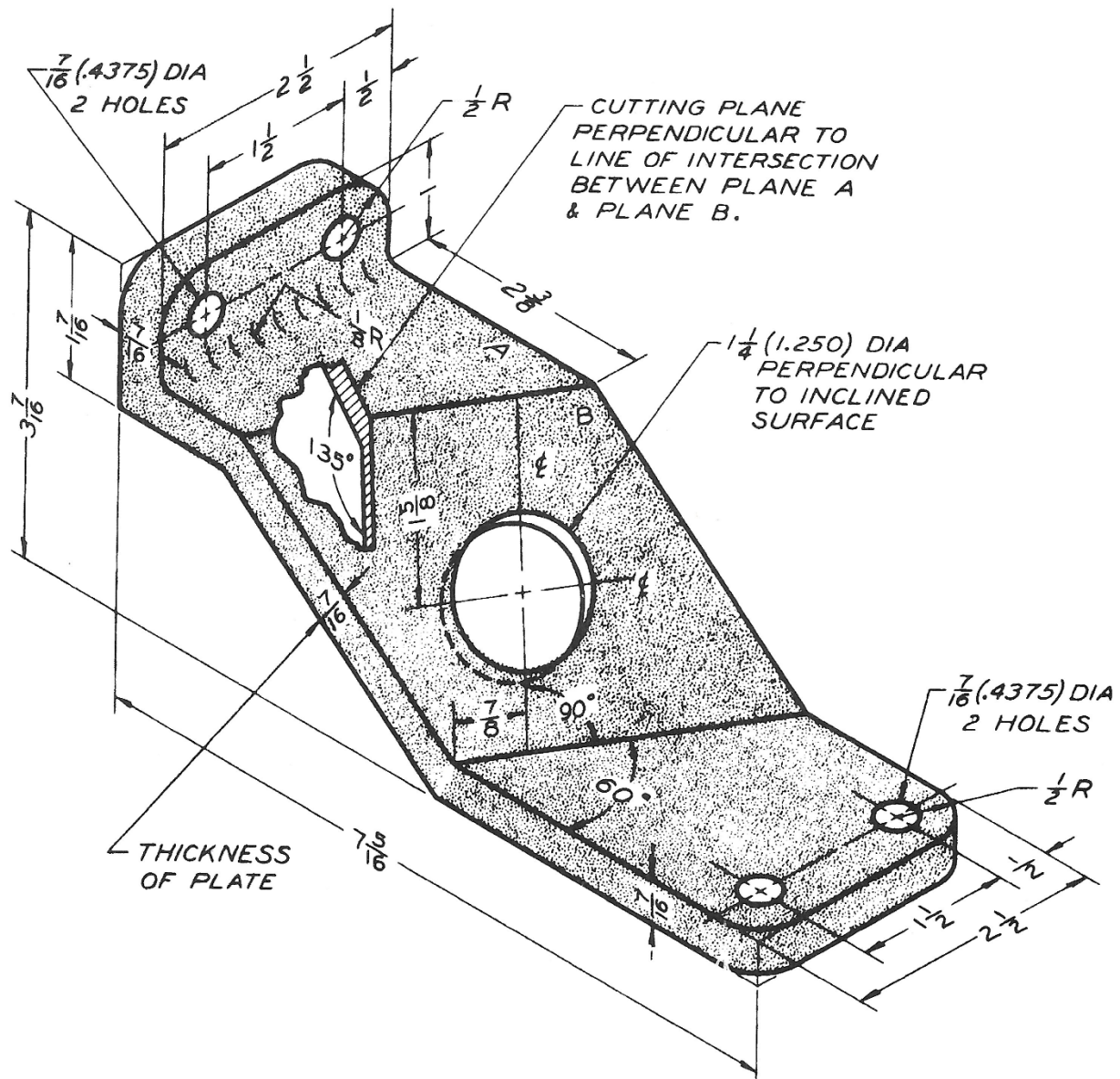


Figure 8: Oblique bracket connection

The instructions' sheets must be added as cover pages. The assignment must be uploaded in .pdf format to the course portal (Moodle) by Thursday, February 1st, 2018 at 11:59 pm or before. No other format will be accepted (e.g., png, jpeg, docx, etc.). In addition, for each drawing you should hand in each AutoCAD file in .dwg format enclosed and uploaded in a .zip or .rar file. Late assignments will be penalized according to the course syllabus and must be sent by email to the teaching assistants with a copy (CC) to the professor.