Faculty of Engineering Engineering Drawing (4401102) (AutoCAD)

2nd Semester 2010-2011

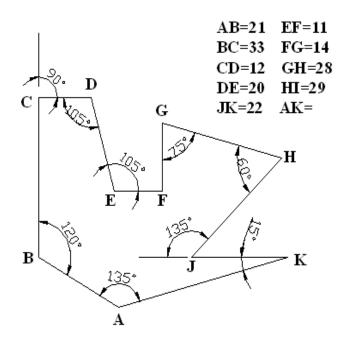
Practice Exercise (1)

Commands to be used in this exercise:

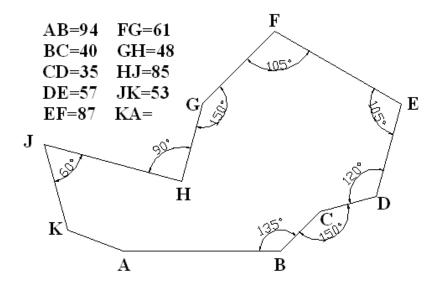
NEW SAVE AS OPEN DRAWING A LINE USING:

- 1) ABSOLUTE AND RELATIVE CARTESIAN COORDINATES
- 2) ABSOLUTE AND RELATIVE POLAR COORDINATES
- 3) DIRECT ENTRY METHOD

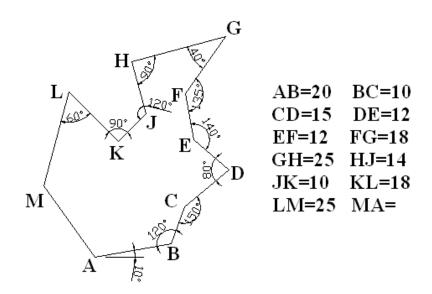
Construct the drawings shown below.



Problem - 1

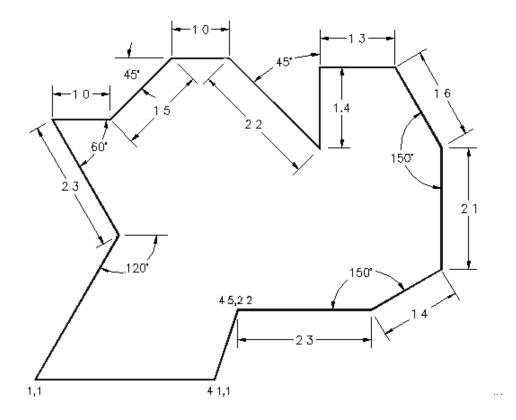


Problem - 2



Problem - 3

<u>Problem - 4</u>



Faculty of Engineering
Engineering Drawing (4401102)
(AutoCAD)

1st Semester 2003-2004

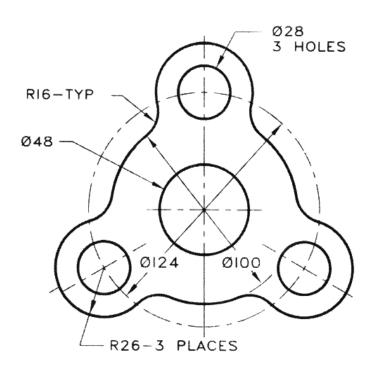
Practice Exercise (2)

Commands to be used in this exercise:

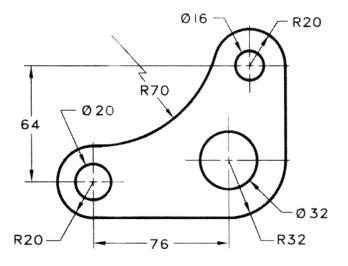
THE PREVIOUS COMMANDS (IN EXERCISE 1) WITH FOLLOWING NEW COMMANDS:

NEW SAVE AS OPEN CIRCLE CONSTRUCTION LINE POLYGON OFFSET TRIM FIILET

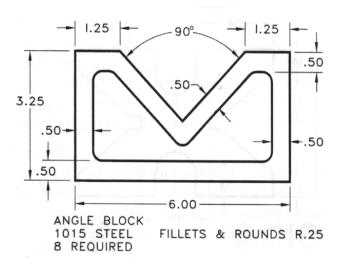
Construct the drawings shown below.



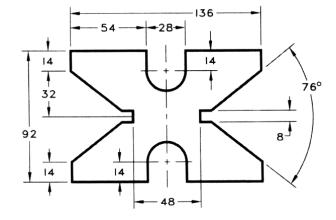
Problem - 1



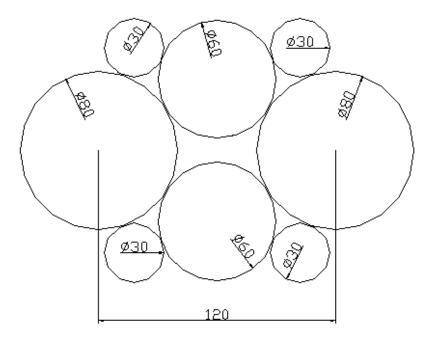
Problem - 2



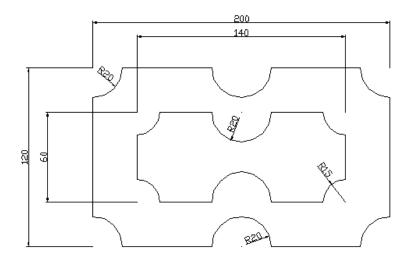
Problem - 3



Problem - 4



<u>Problem - 5</u>



Problem - 6

Faculty of Engineering Engineering Drawing (4401102) (AutoCAD)

1st Semester 2003-2004

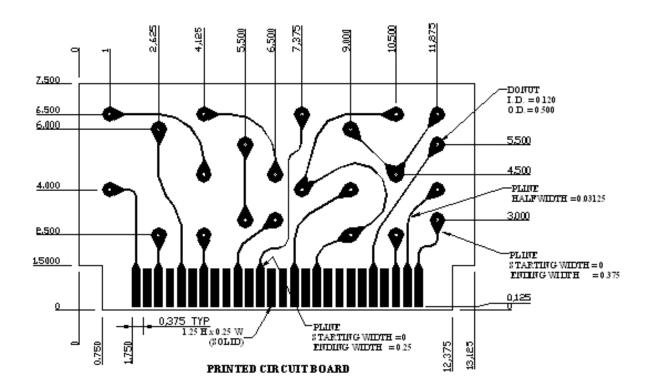
Practice Exercise (3)

Commands to be used in this exercise:

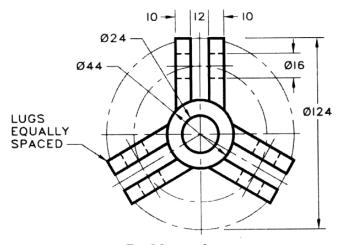
THE PREVIOUS COMMANDS (IN EXERCISES 1 TO 2) WITH FOLLOWING NEW COMMANDS:

NEW SAVE AS OPEN ARC POINT POLYLINE DONUT MULTILINE SPLINE OBJECT SNAPPING

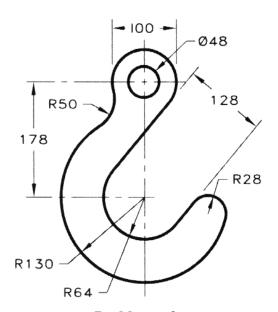
Construct the following geometries.



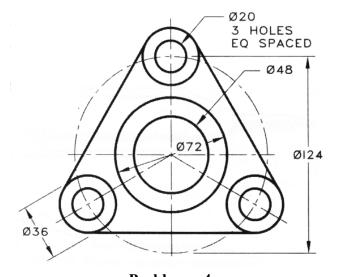
Problem - 1



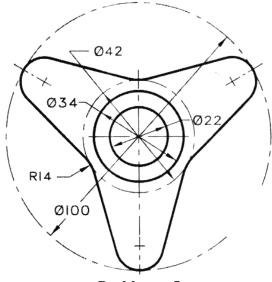
 $\underline{Problem-2}$



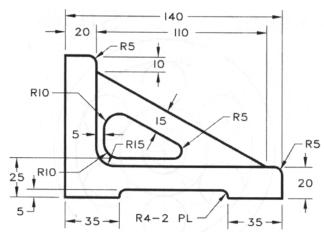
 $\underline{Problem-3}$



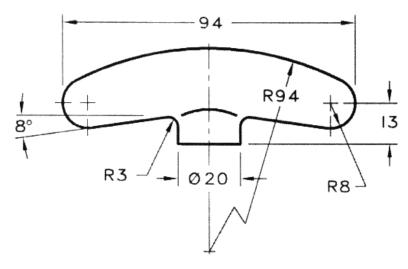
 $\underline{Problem-4}$



 $\underline{Problem-5}$



 $\underline{Problem-6}$



 $\underline{Problem-7}$

Faculty of Engineering Engineering Drawing (4401102) (AutoCAD)

1st Semester 3002-2004

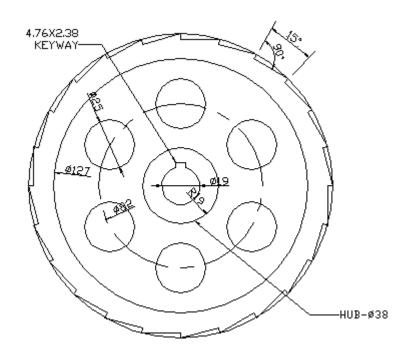
Practice Exercise (4)

Commands to be used in this exercise:

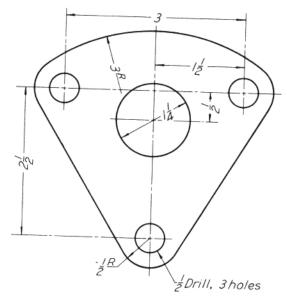
THE PREVIOUS COMMANDS (IN EXERCISES 1 TO 2) WITH FOLLOWING NEW COMMANDS:

NEW SAVE AS OPEN RECTANGLE CHAMFER MIRROR ROTATE ARRAY COPY

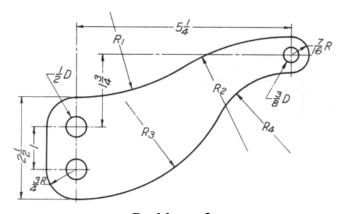
Construct the following geometries.



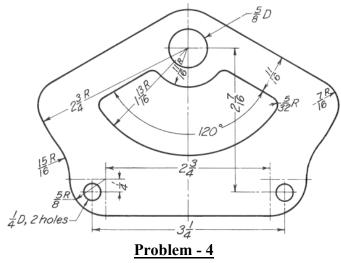
Problem -1

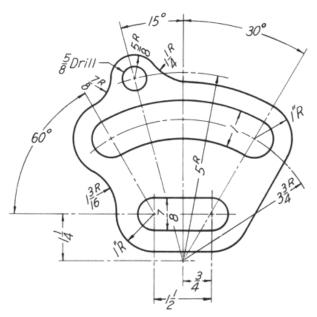


<u>Problem - 2</u>

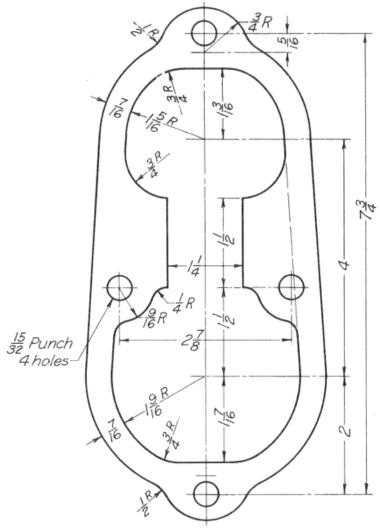


<u>Problem - 3</u>

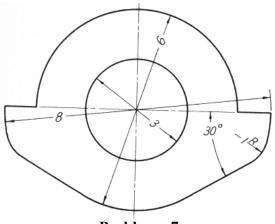




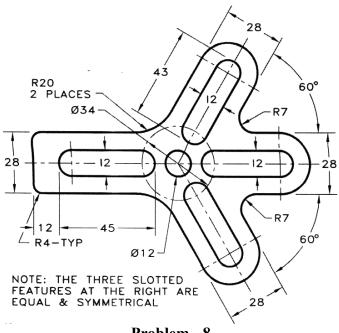
Problem - 5



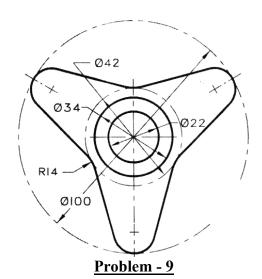
<u>Problem - 6</u>



Problem - 7



Problem - 8



Faculty of Engineering Engineering Drawing (4401102) (AutoCAD)

1st Semester 2003-2004

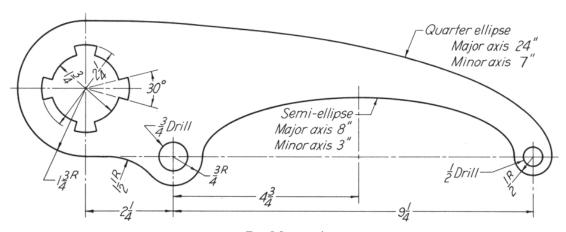
Practice Exercise (5)

Commands to be used in this exercise:

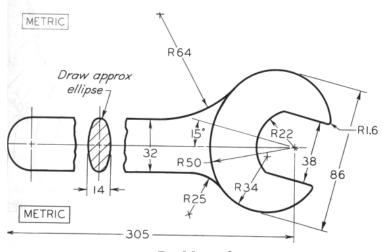
THE PREVIOUS COMMANDS (IN EXERCISE 1 TO 4) WITH FOLLOWING NEW COMMANDS:

NEW SAVE AS OPEN
RAY ELLIPSE EXTEND SCALE STRETCH BREAK LENGTHEN

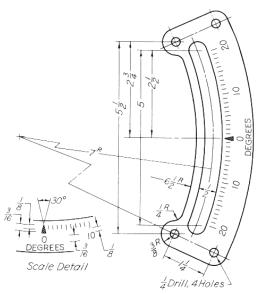
Construct the drawings shown below.



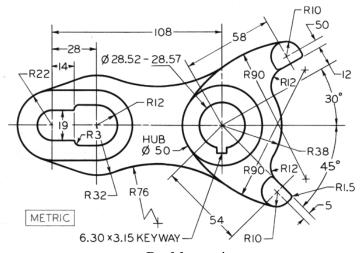
Problem - 1



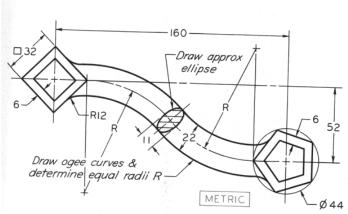
Problem -2



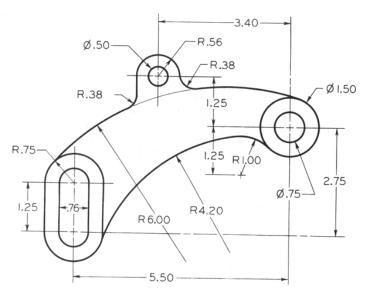
Problem -3



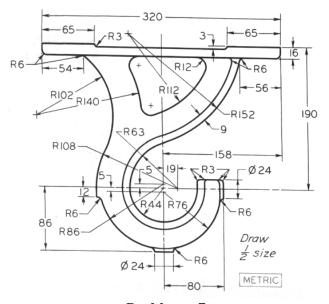
Problem - 4



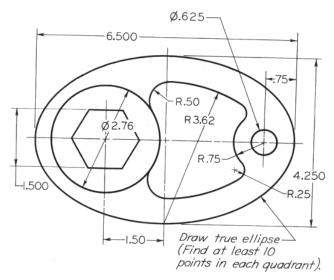
Problem - 5



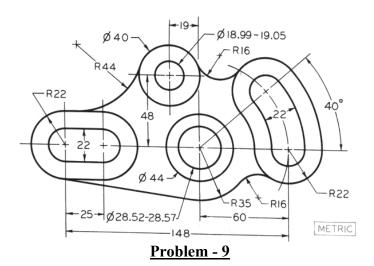
Problem - 6

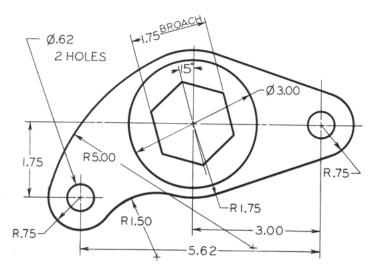


Problem - 7

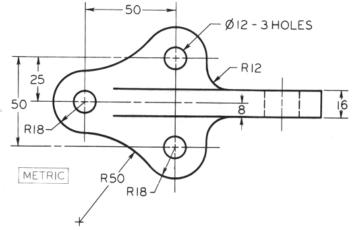


Problem - 8

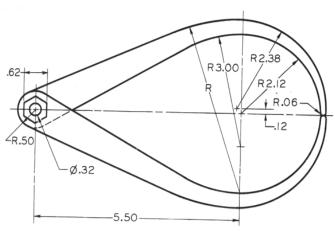




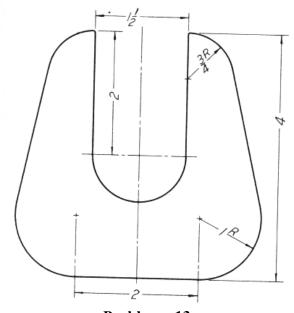
Problem - 10



Problem - 11



Problem - 12



Problem - 13

Faculty of Engineering Engineering Drawing (4401102) (AutoCAD)

1st Semester 2003-2004

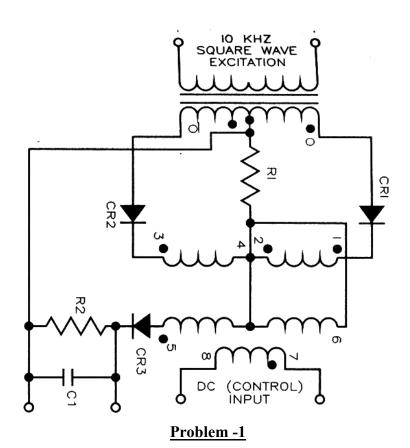
Practice Exercise (6)

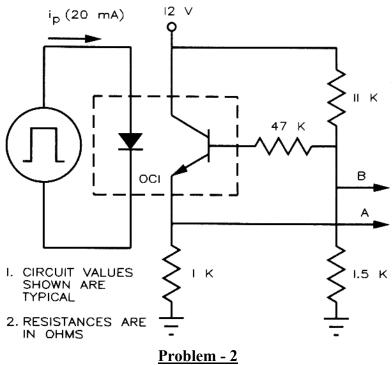
Commands to be used in this exercise:

THE PREVIOUS COMMANDS (IN EXERCISE 1 TO 5) WITH FOLLOWING NEW COMMANDS:

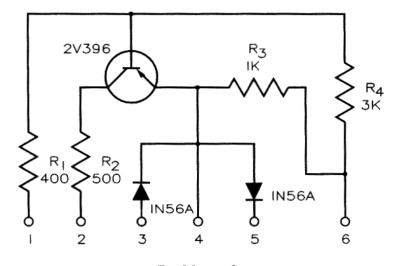
NEW SAVE AS OPEN
MAKE BLOCK INSERT BLOCK WRITE BLOCK
MULTILINE TEXT EDIT INQUIRY MATCH PROPERTIES

Construct the following geometries.

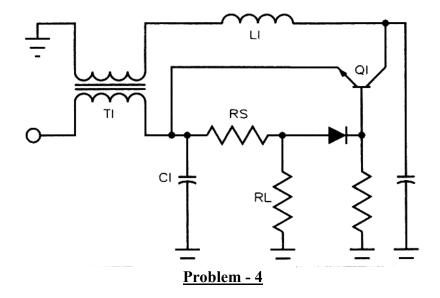


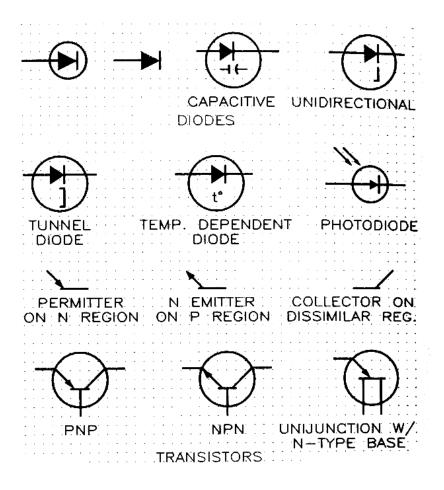




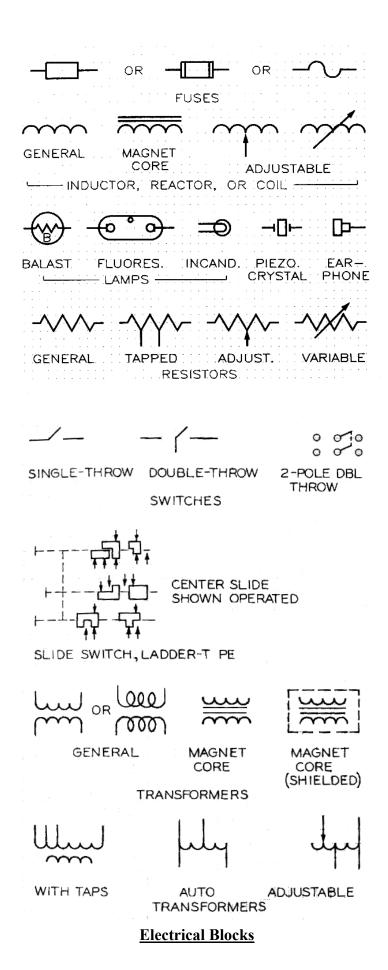


Problem - 3





Electrical Blocks



Faculty of Engineering Engineering Drawing (4401102) (AutoCAD)

1st Semester 2003-2004

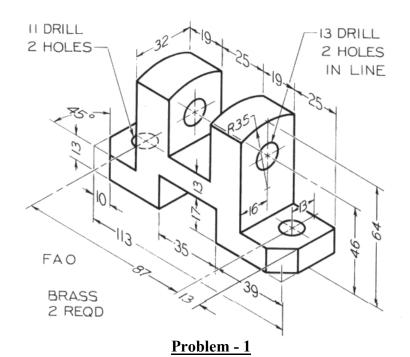
Practice Exercise (7)

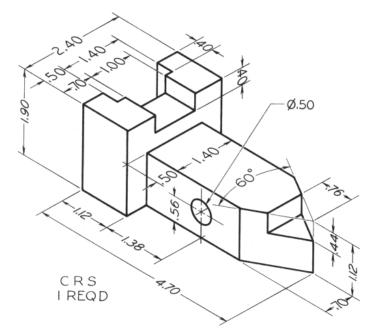
Commands to be used in this exercise:

THE PREVIOUS COMMANDS (IN EXERCISE 1 TO 6) WITH FOLLOWING NEW COMMANDS:

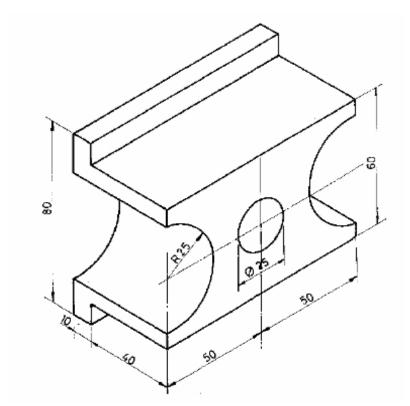
NEW SAVE AS OPEN LINE TYPE LINE WEIGHT COLORING HATCHING

- 1) Draw top, front and side views of the following objects.
- 2) Draw frontal section.
- 3) Draw text with Times New Roman font and with red color.
- 4) Draw continuous lines with navy blue color.
- 5) Draw hidden lines with yellow color.
- 6) Draw centerlines with green color.
- 7) Draw folding lines (Phantom) with cyan color.



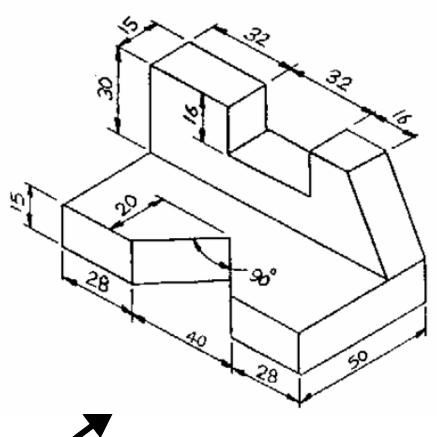


<u>Problem - 2</u>



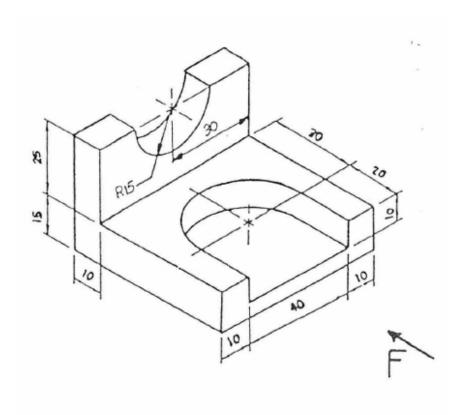


Problem - 3

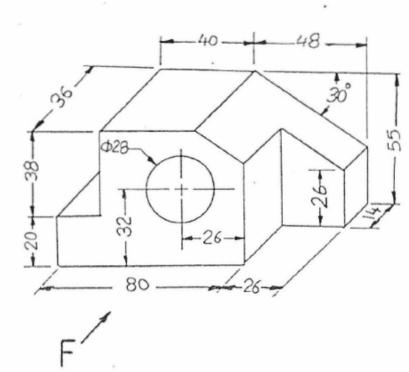




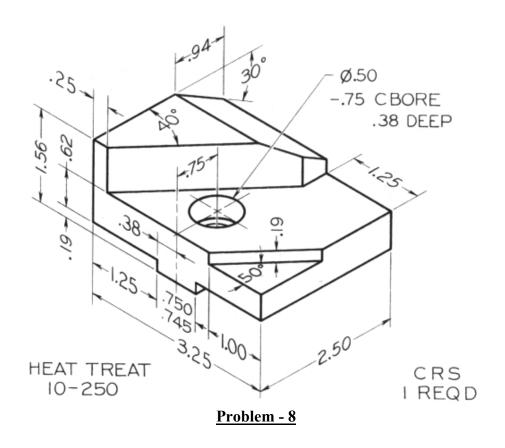
Problem - 4 Problem - 5

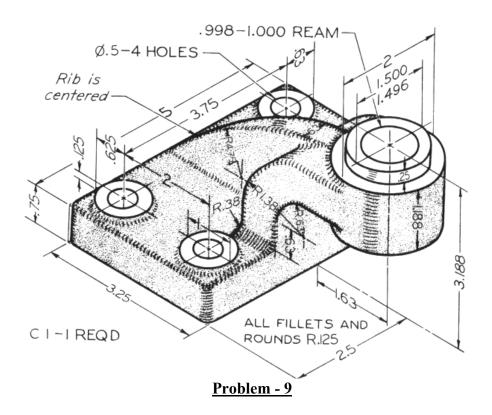


<u>Problem - 6</u>



Problem - 7





Faculty of Engineering Engineering Drawing (4401102) (AutoCAD)

1st Semester 2003-2004

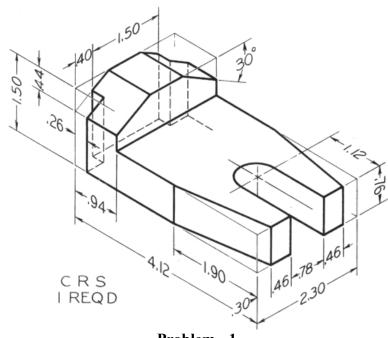
Practice Exercise (8)

Commands to be used in this exercise:

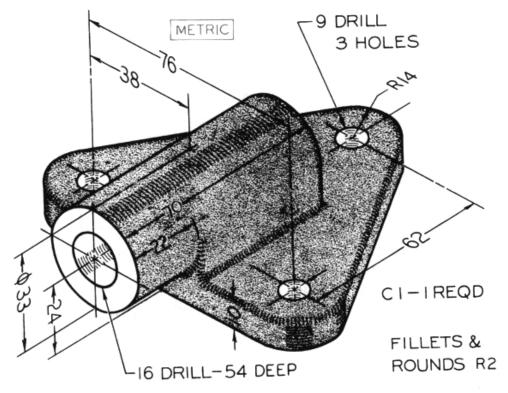
THE PREVIOUS COMMANDS (IN EXERCISE 1 TO 7) WITH FOLLOWING NEW COMMANDS:

NEW SAVE AS OPEN
DIMENSIONING:
QDIM LINEAR ALIGNED BASELINE LEADER
CIRCLE ARC CENTER MARK ORDINATE
OBLIGUE TEXT ANGULAR CONTINUE

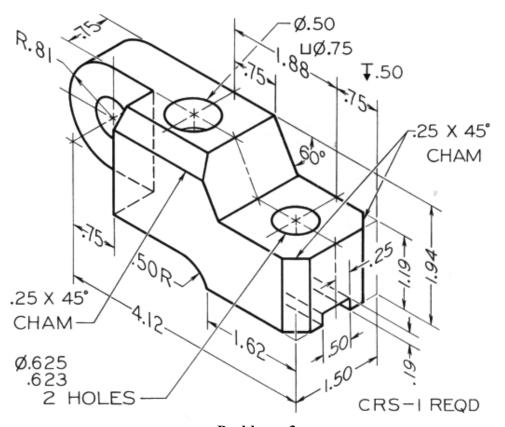
- 1) Draw top, front and side views of the following objects.
- 2) Draw frontal section.
- 3) Draw text with Times New Roman font and with red color.
- 4) Draw continuous lines with navy blue color.
- 5) Draw hidden lines with yellow color.
- 6) Draw centerlines with green color.
- 7) Draw folding lines (Phantom) with cyan color.
- 8) Dimension the above drawing views.



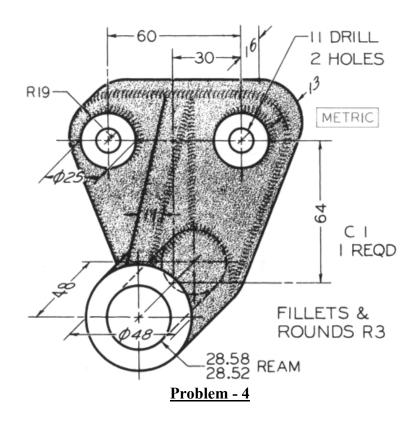
Problem - 1

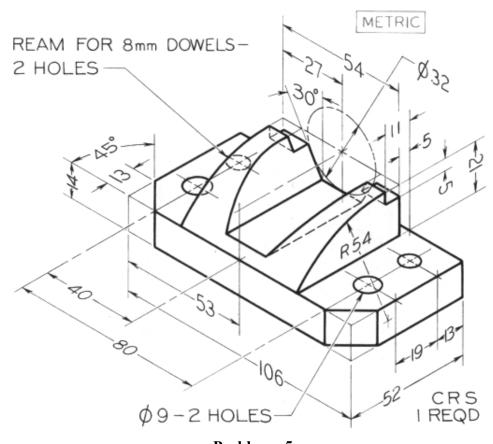


Problem - 2

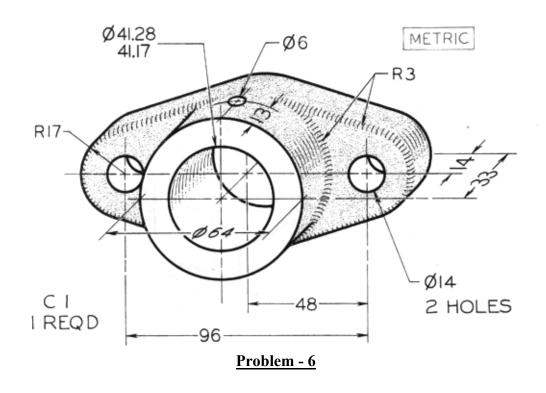


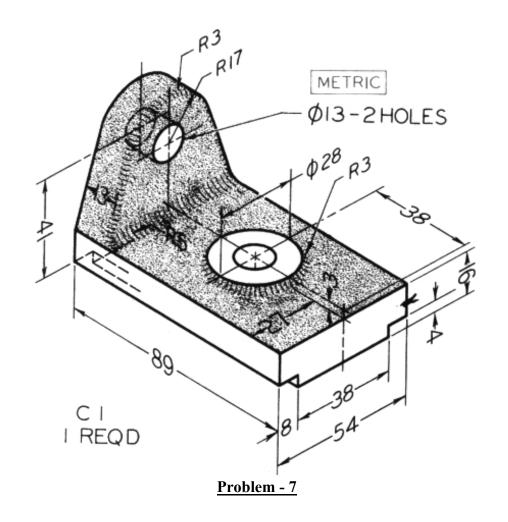
Problem - 3

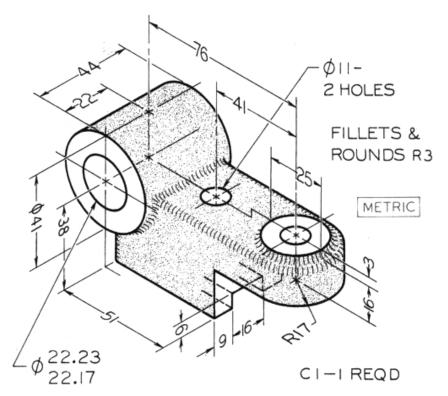




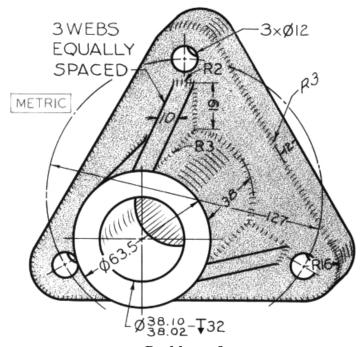
<u>Problem - 5</u>



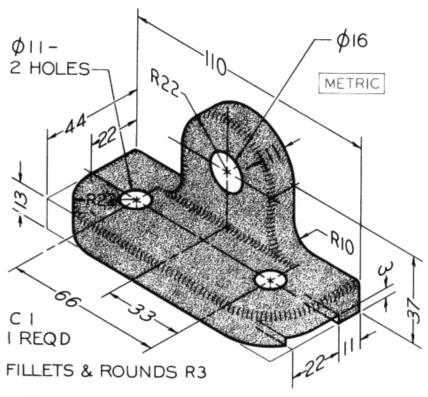




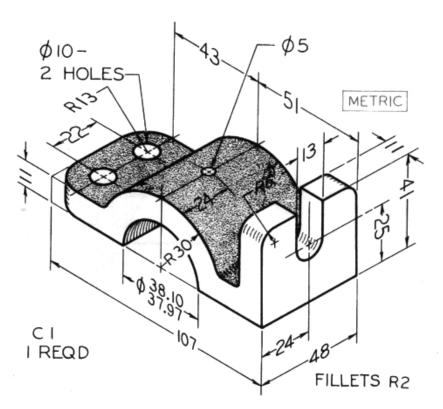
Problem - 8



Problem - 9



Problem - 10



Problem - 11

Faculty of Engineering Engineering Drawing (4401102) (AutoCAD)

1st Semester 2003-2004

Practice Exercise (9)

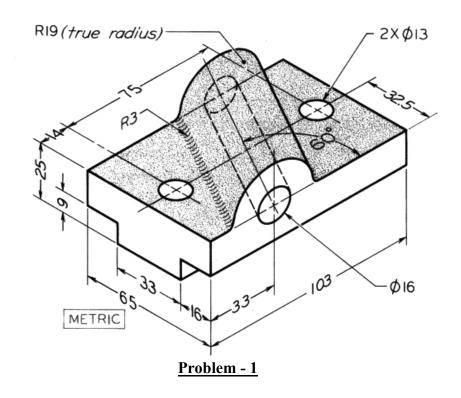
Commands to be used in this exercise:

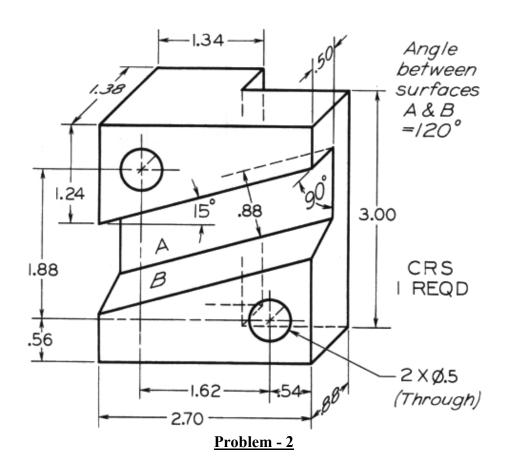
THE PREVIOUS COMMANDS (IN EXERCISE 1 TO 8) WITH FOLLOWING NEW COMMANDS:

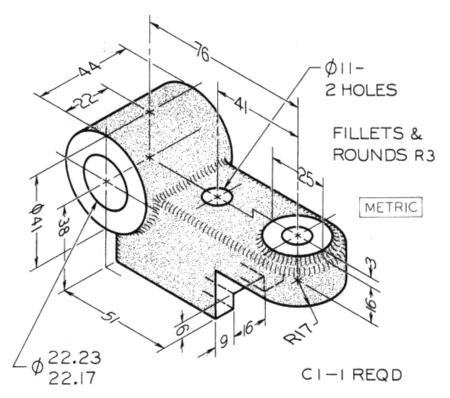
NEW SAVE AS OPEN LAYERS

- 1) Draw top, front and side views of the following objects.
- 2) Draw frontal section.
- 3) Draw text with Times New Roman font and with red color.
- 4) Dimension the above drawing views.
- 5) Layers that must be created:

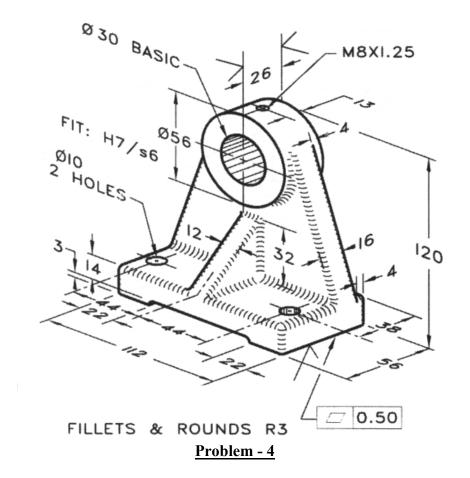
Layer	Color	Line Type
0	White	Continuous
Center	Yellow	Center
Folding	Red	Phantom
Construction	Pink - 211	Continuous
Front	Blue	Continuous
Hidden	Green	Hidden
Side	Magenta	Continuous
Тор	Cyan	Continuous

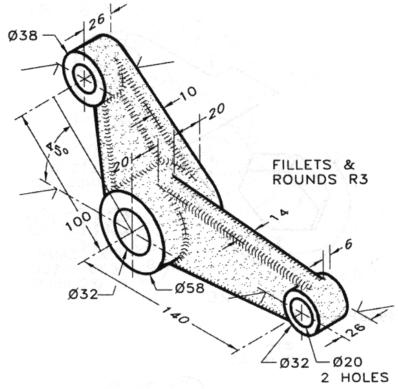




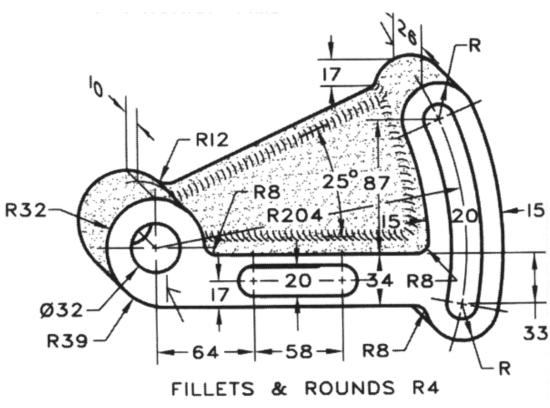


Problem - 3

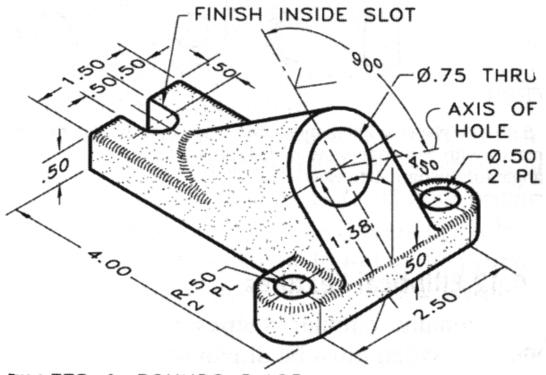




Problem -5



Problem - 6



FILLETS & ROUNDS R.125

Problem - 7

Faculty of Engineering Engineering Drawing (4401102) (AutoCAD)

1st Semester 2003-2004

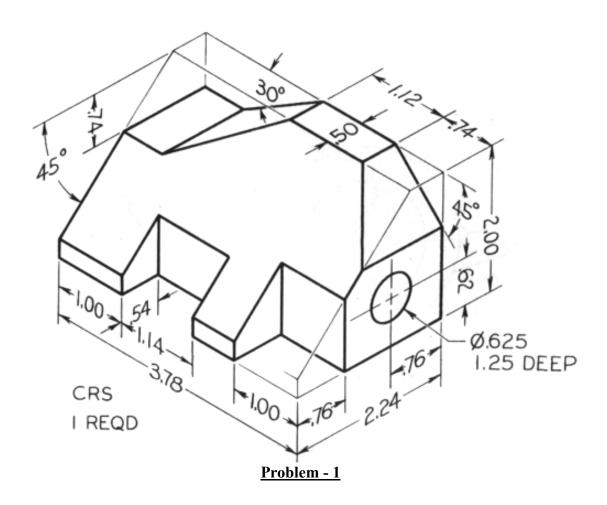
Practice Exercise (10)

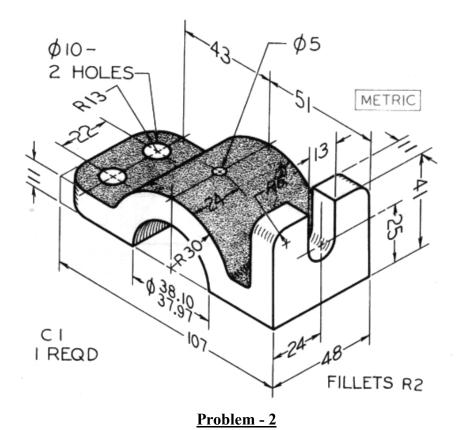
Commands to be used in this exercise:

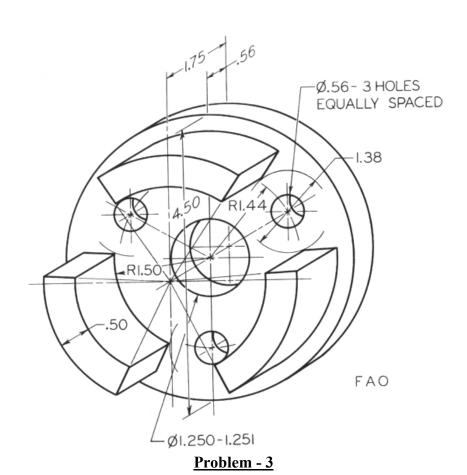
THE PREVIOUS COMMANDS (IN EXERCISE 1 TO 9) WITH FOLLOWING NEW COMMANDS:

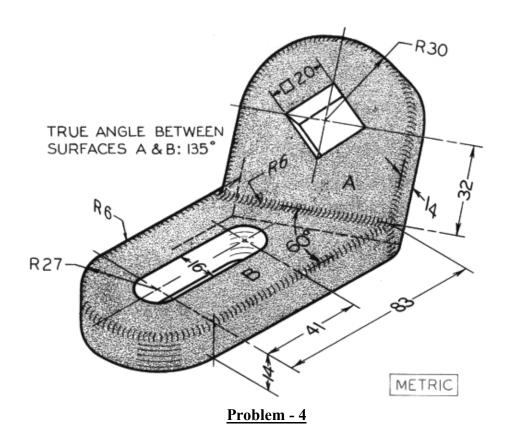
NEW SAVE AS OPEN
REDRAW REGENRATE REGENRATE ALL
ISOMATERIC SNAP
F5-SWITCH F7-SWITCH ISOCIRCLE

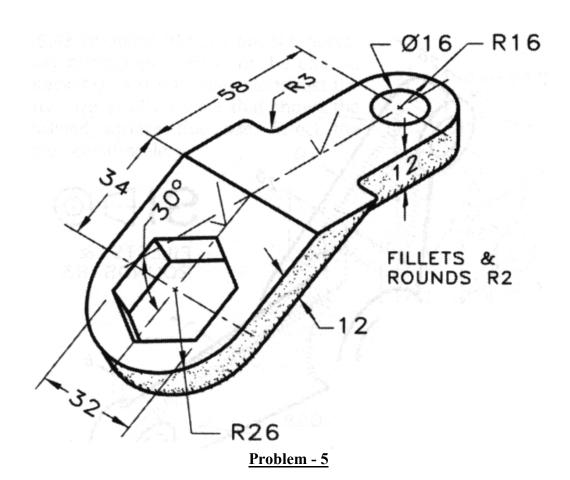
Draw the isometric view of the following objects. Dimension the drawings using aligned dimensioning.

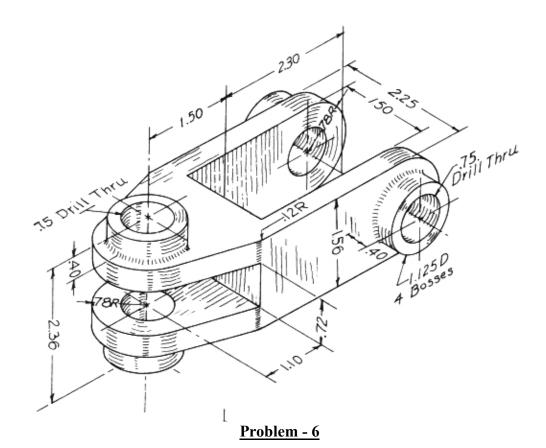


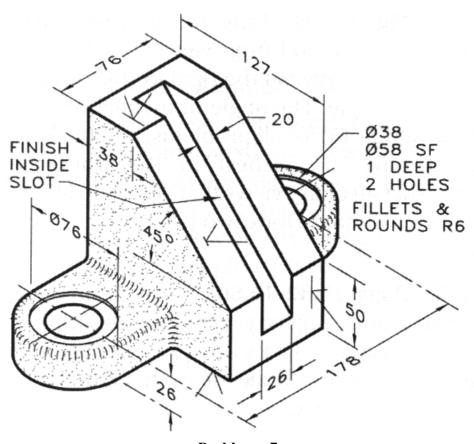




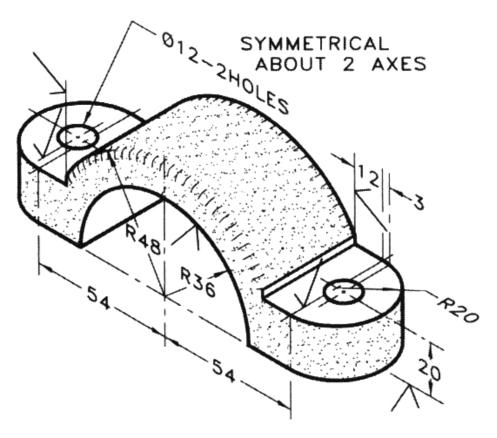








Problem - 7



Problem - 8

