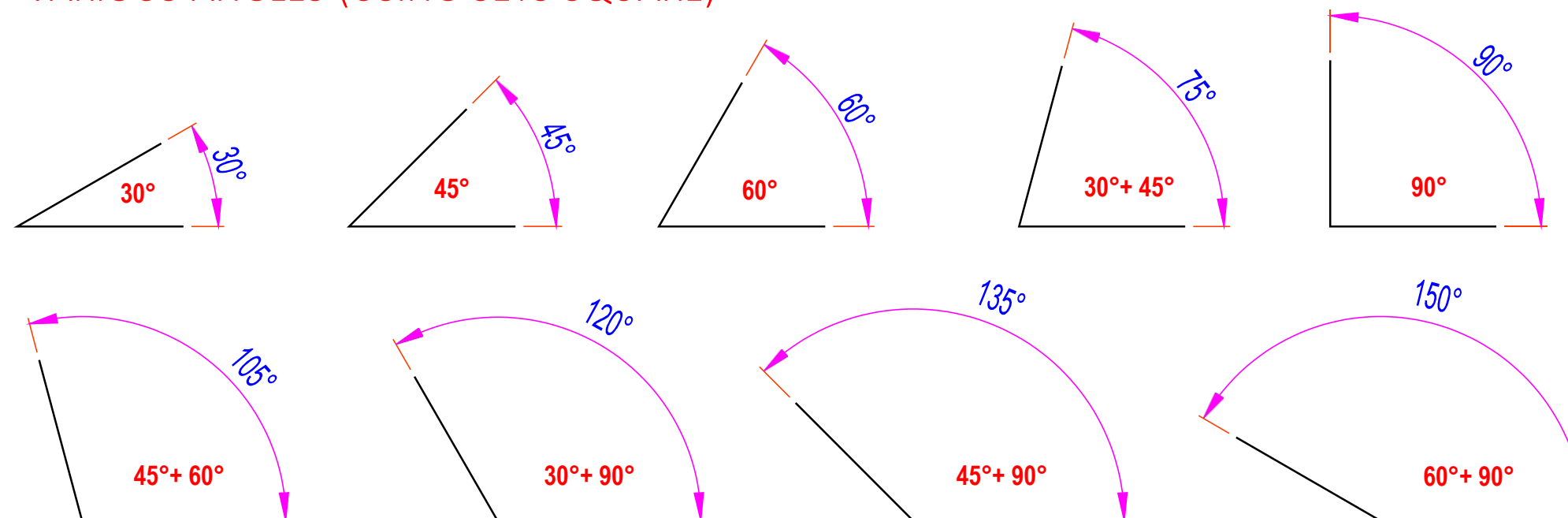


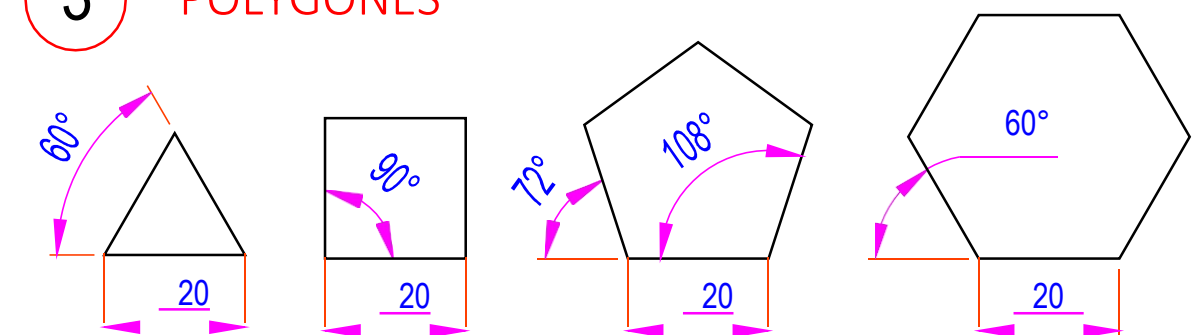
## 1 VARIOUS ANGLES (USING SETS SQUARE)



## 2 ALPHABETS & NUMBERS

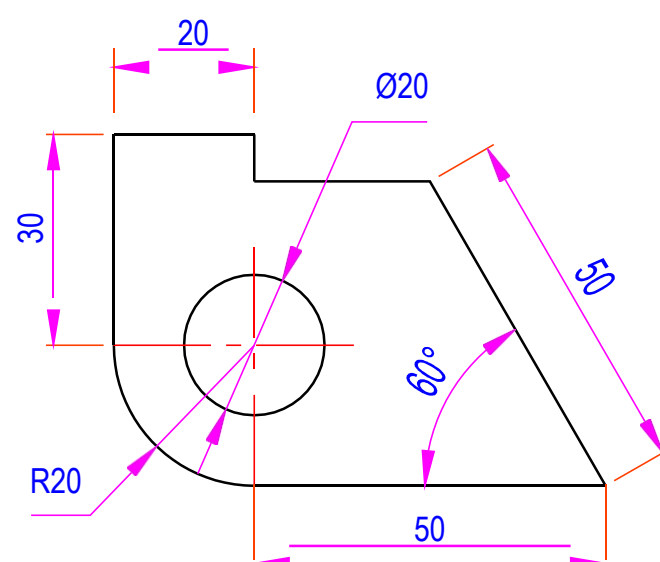
ABCDEFGHIJKLMNOPQRSTUVWXYZ  
1234567890

## 3 POLYGONES

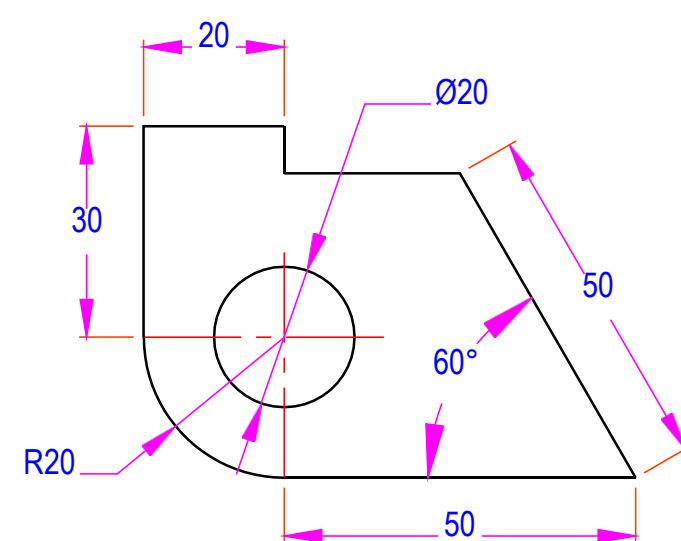


## 4 DIMENSIONING SYSTEM

### ALIGNED SYSTEM



### UNIDIRECTIONAL SYSTEM



## 5 TYPES OF LINES

CONTINUOUS THICK (0.5)

CONTINUOUS THIN (0.2)

DASHED LINE (0.3)

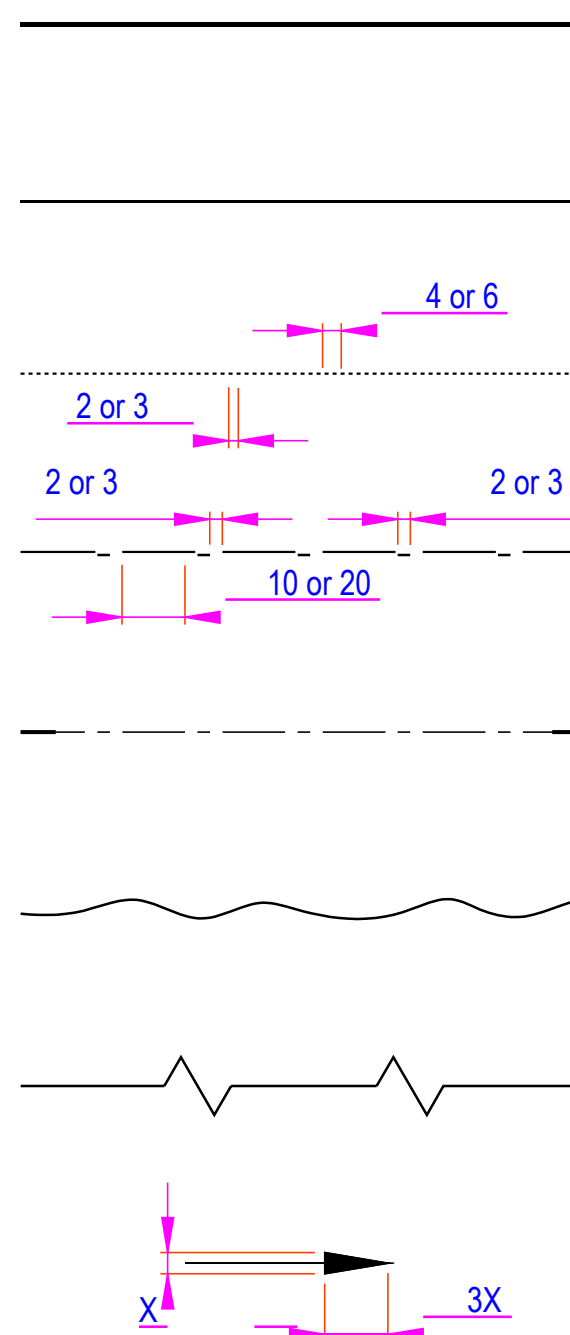
CENTER LINE (0.2)

CUTTING LINE (0.2 & 0.5)

THIN WAVY LINE (0.2)

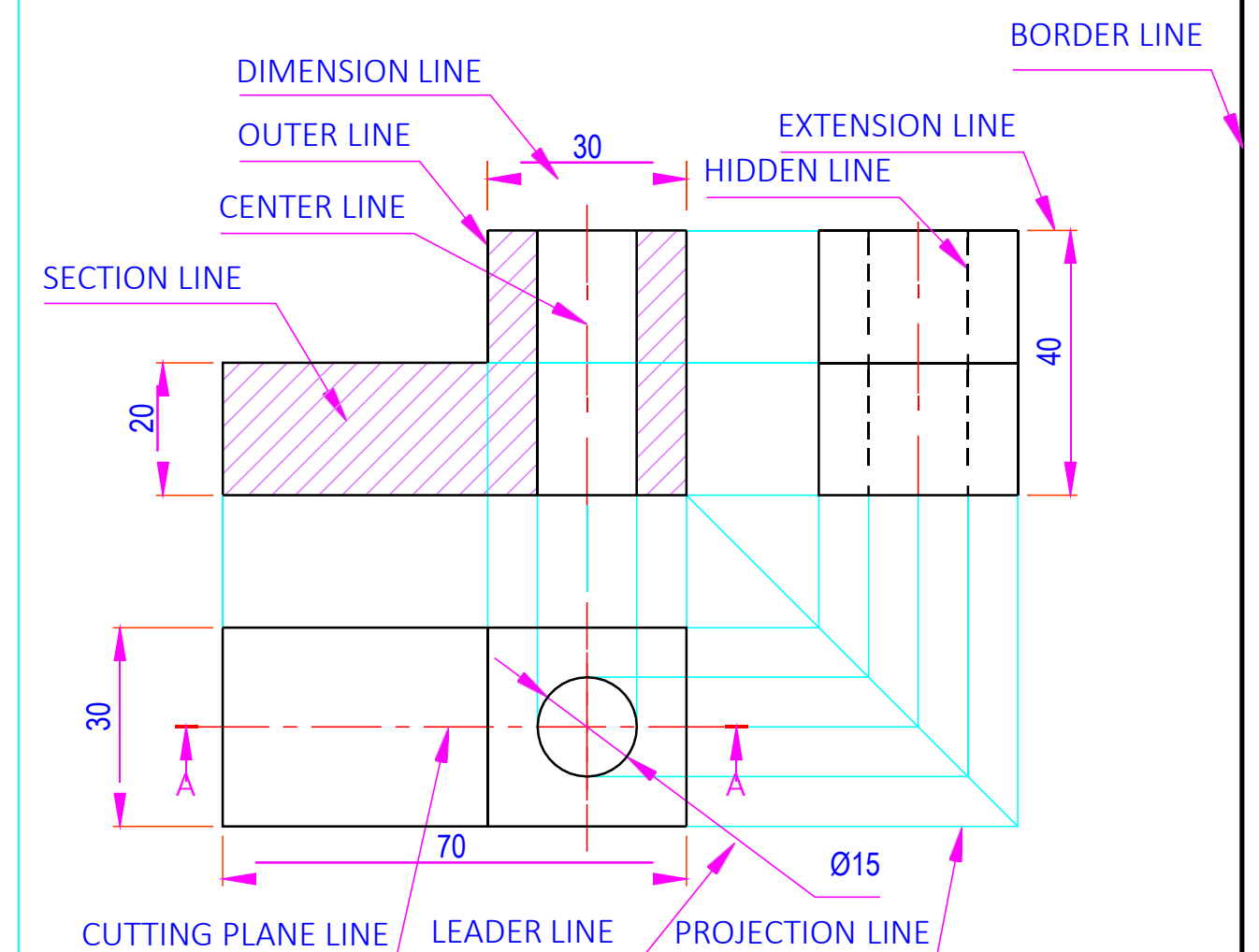
SHORT ZIGZAG THIN (0.2)

DIMENSION - ARROW (0.2)



(VALUES IN BRACKET SHOWS THICKNESS IN mm)

## 6 USES OF LINES

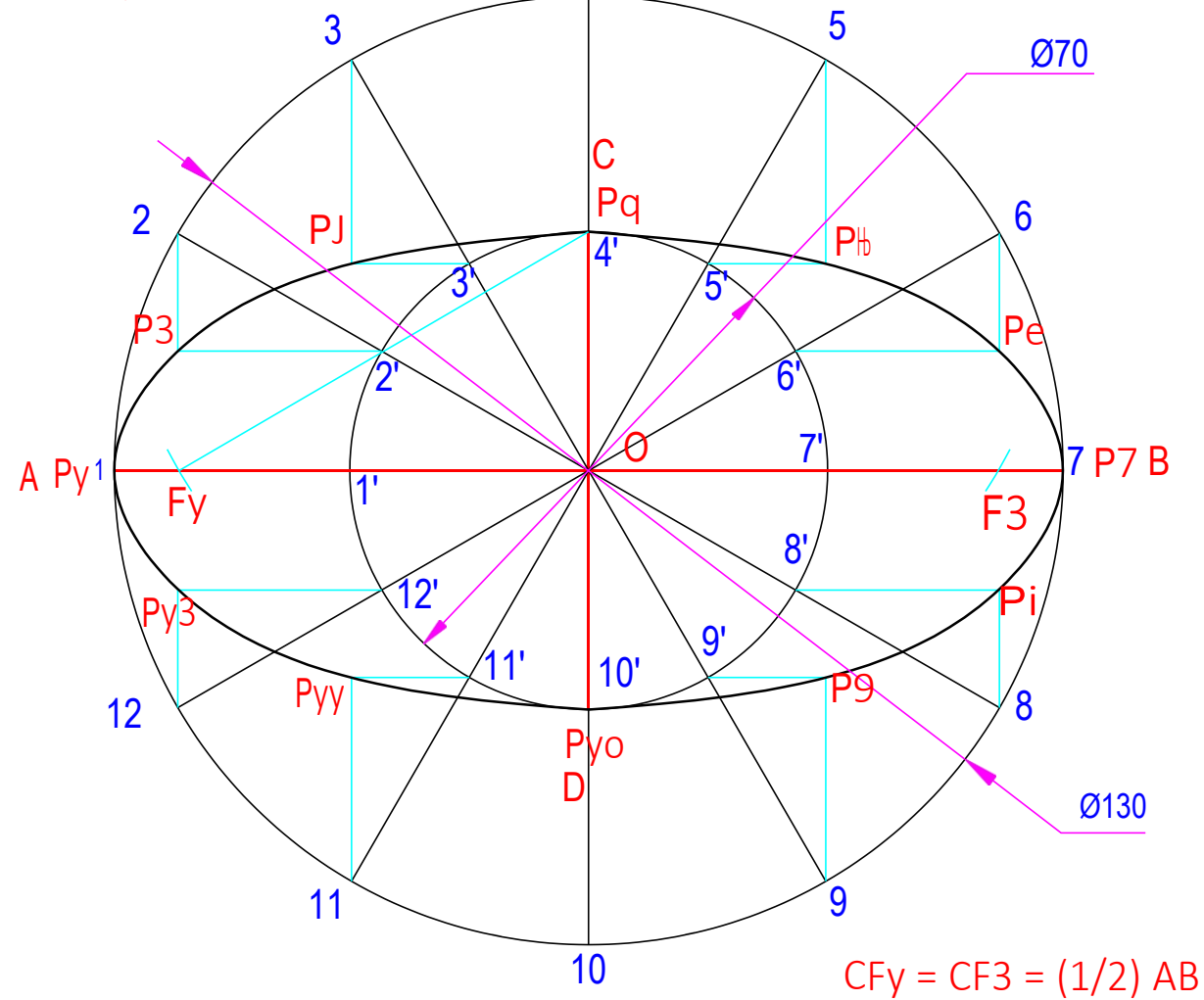


ALL DIMENSIONS ARE IN mm.

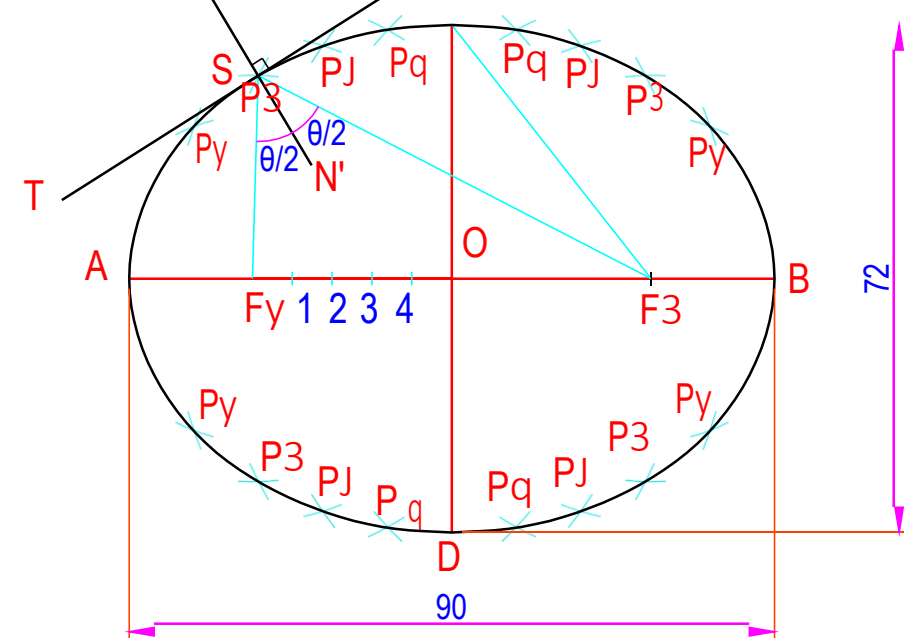
|                 |      |      |                |
|-----------------|------|------|----------------|
|                 | DATE | SIGN |                |
| STD.            |      |      |                |
| CKD.            |      |      |                |
| COMP.           |      |      |                |
| B.E. 1st SEM ME |      |      | SP 46          |
| B. R. DABHI     |      |      | PRACTICE SHEET |
| 090540119000    |      |      | DRG NO. 1      |
| SCALE - 1:1     |      |      |                |



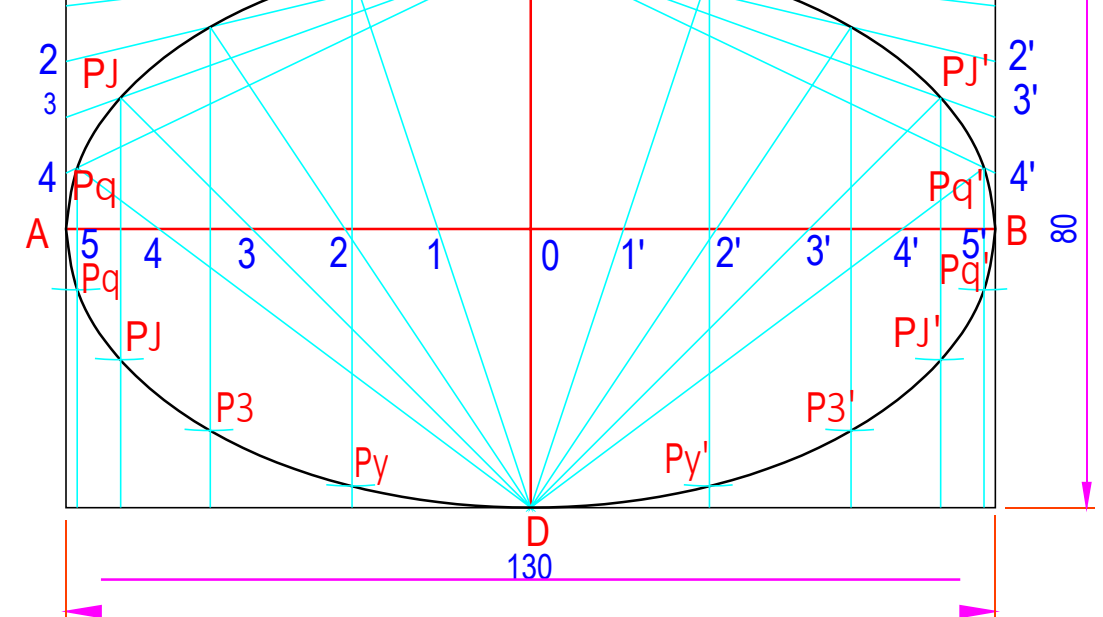
1



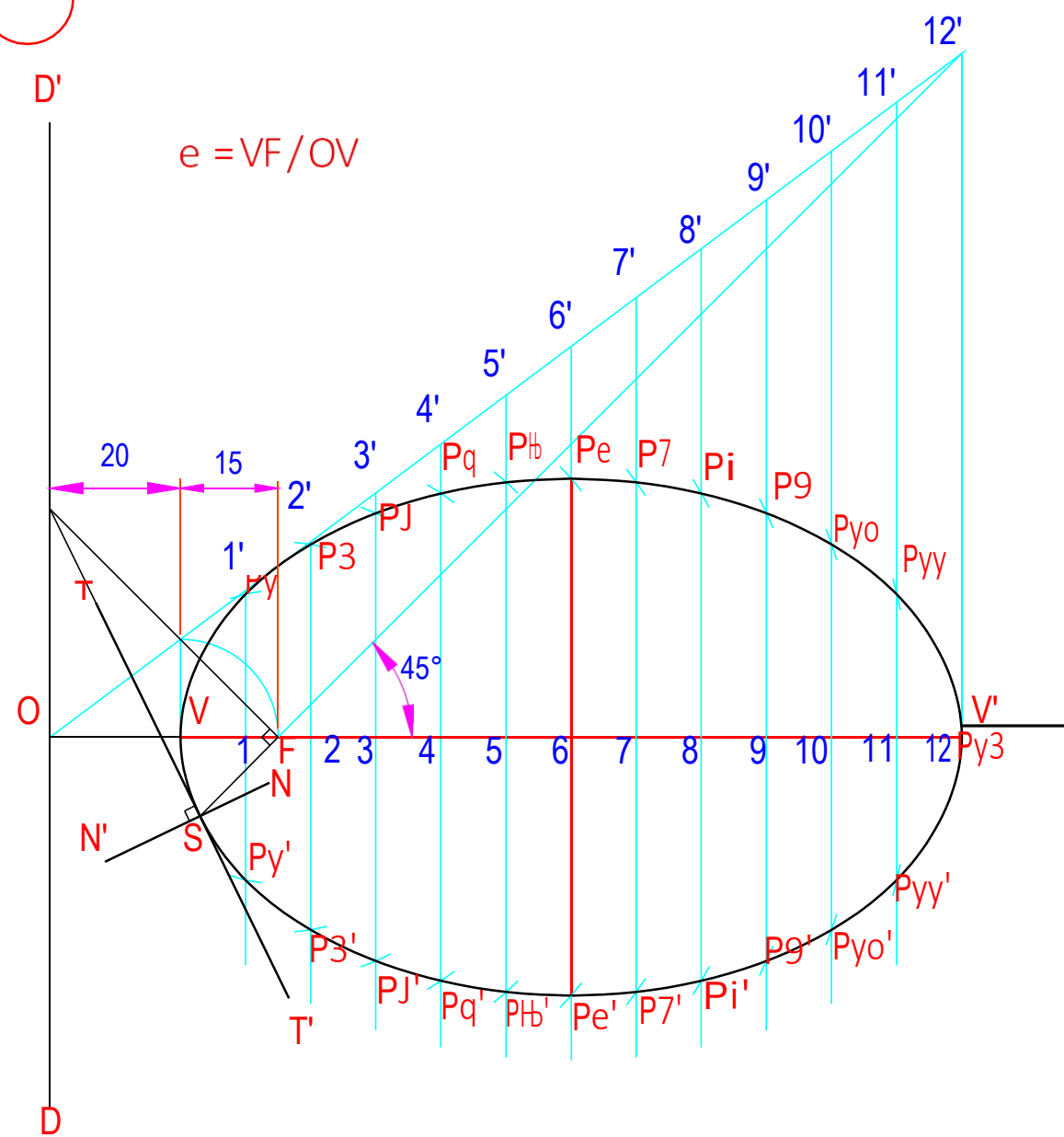
2



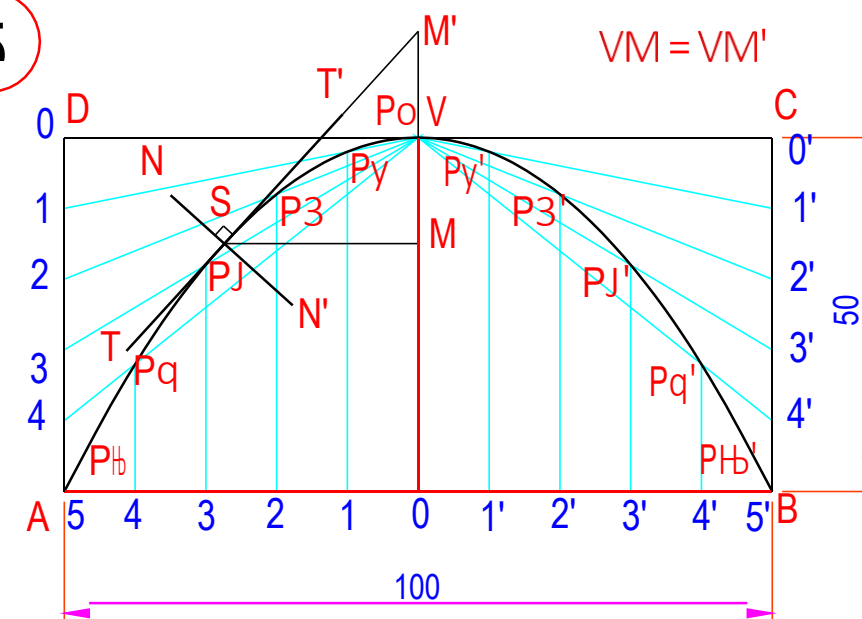
3



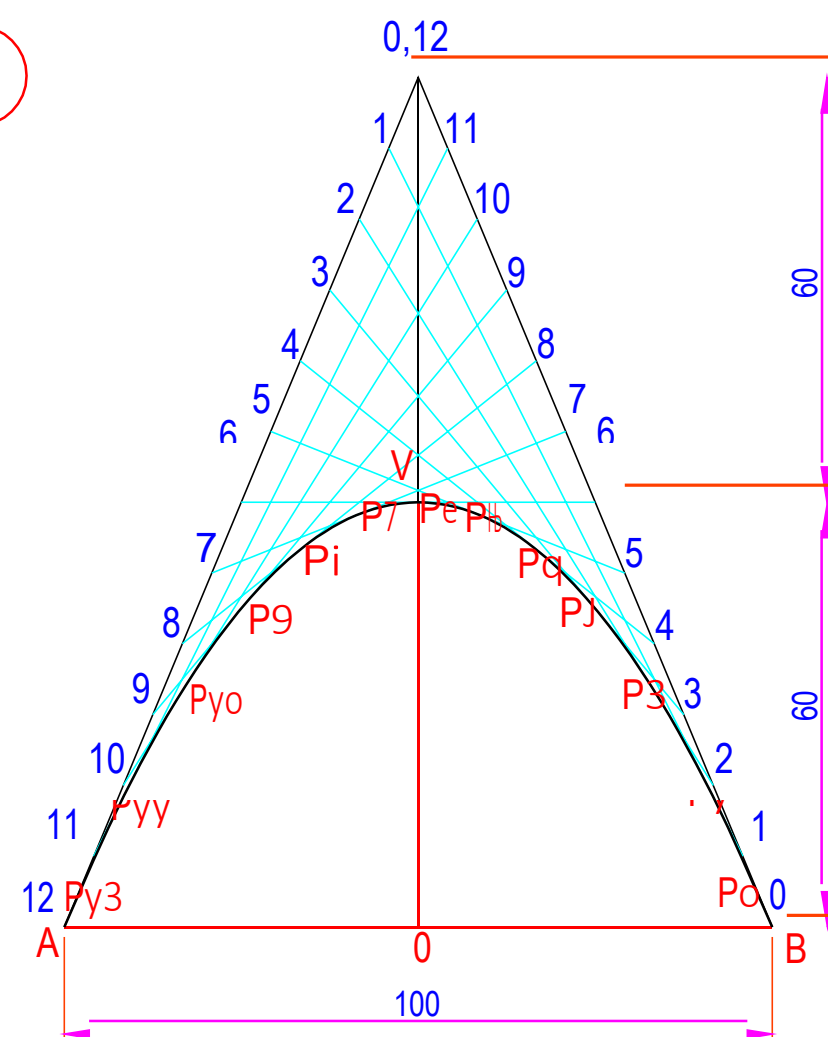
4



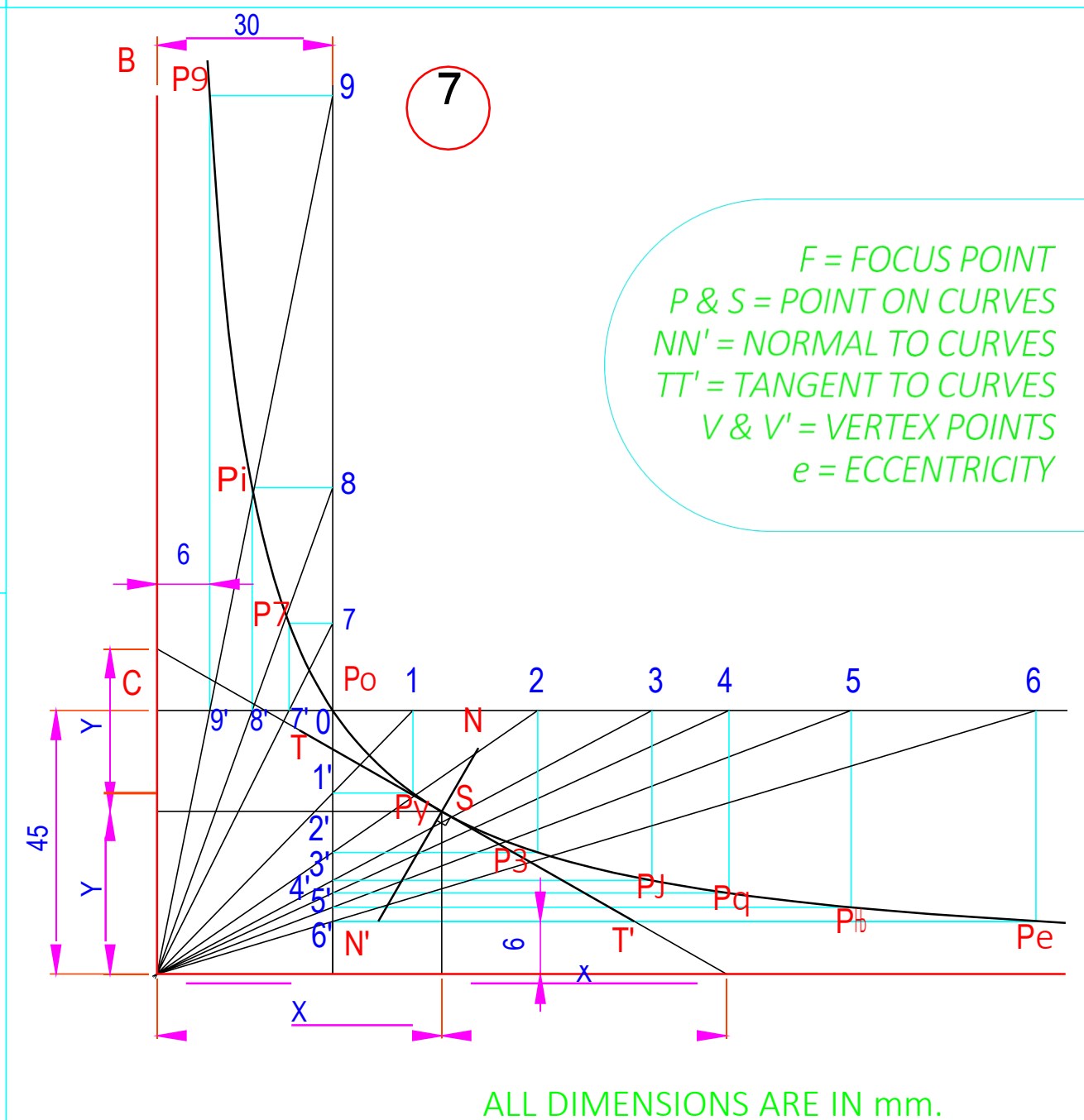
5



6



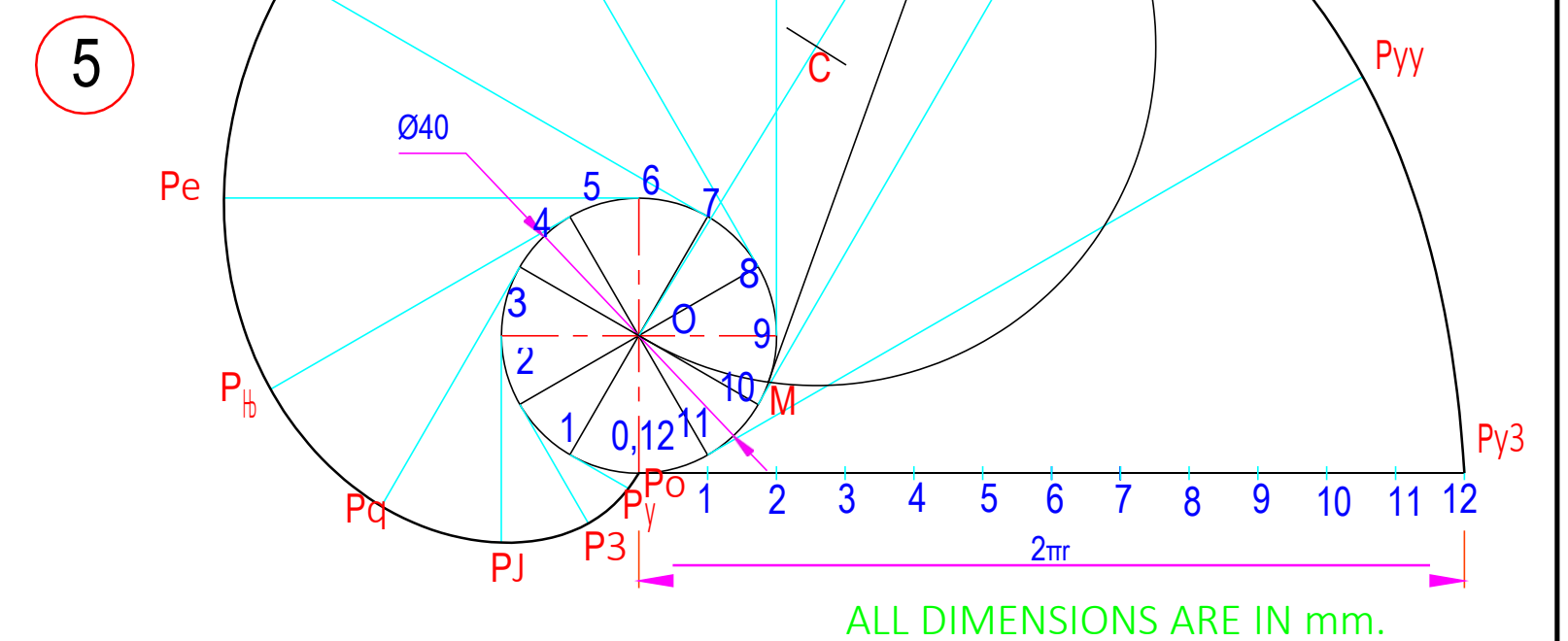
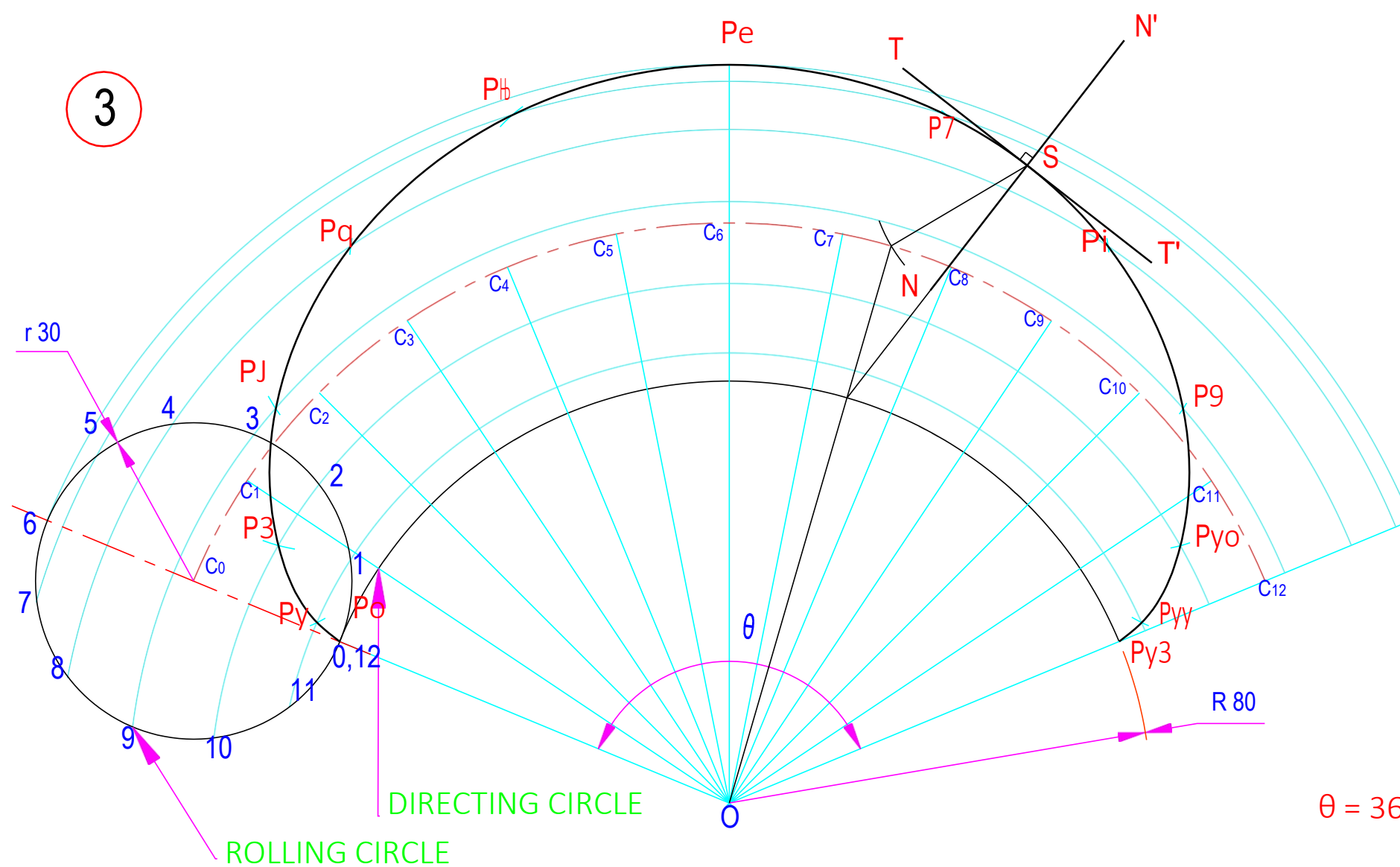
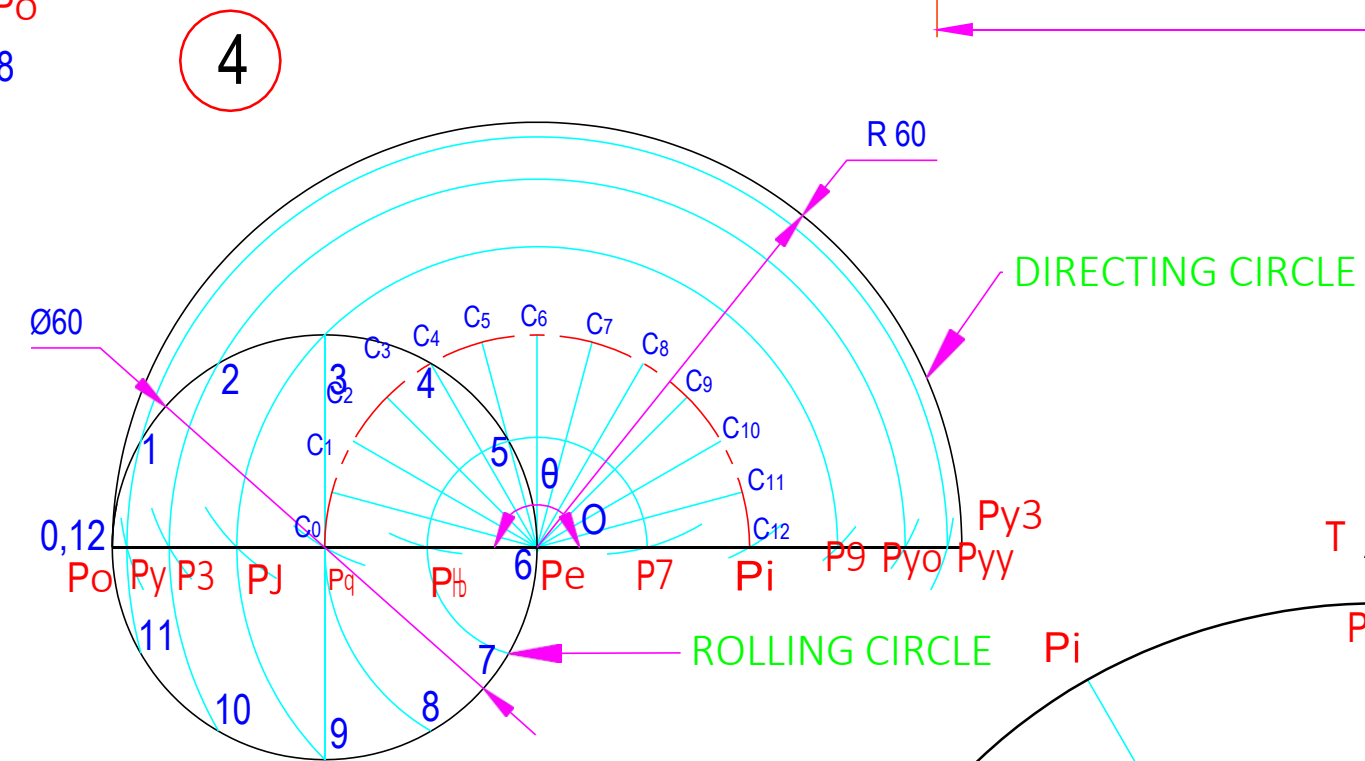
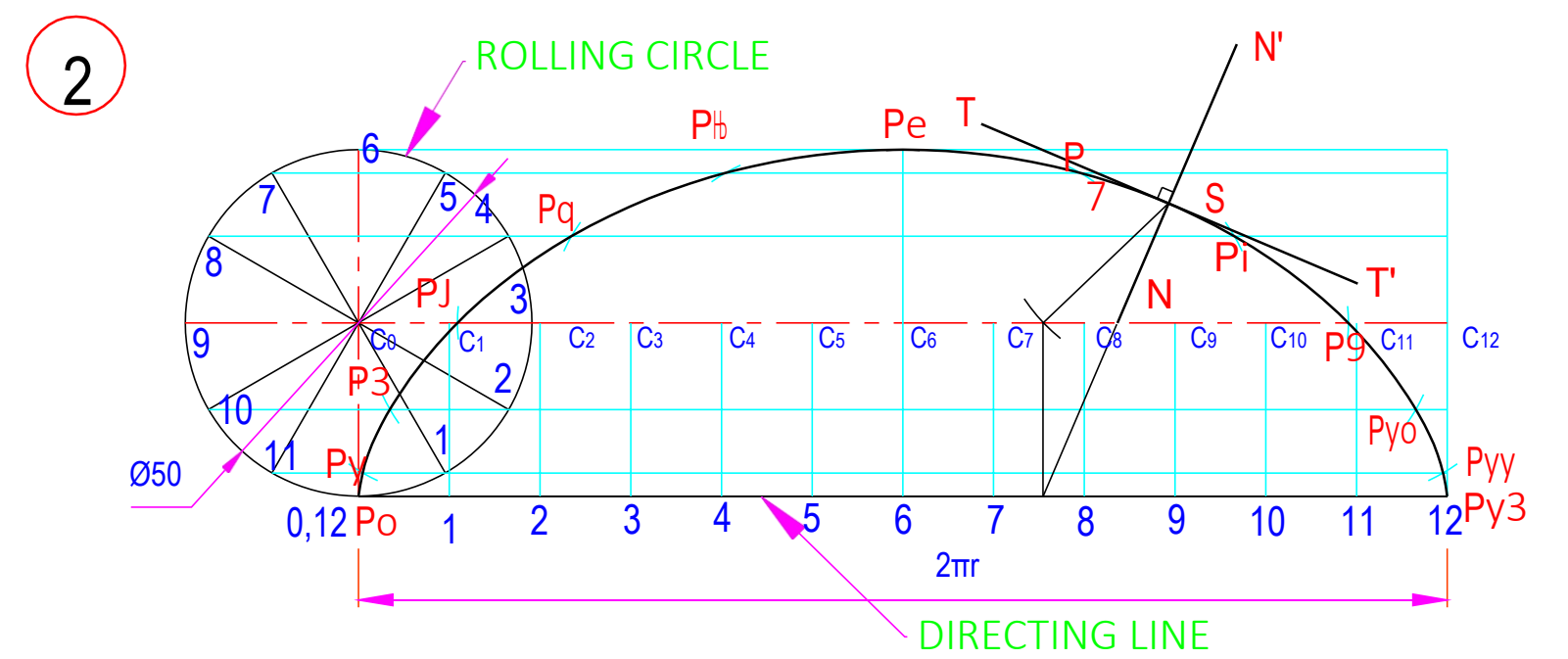
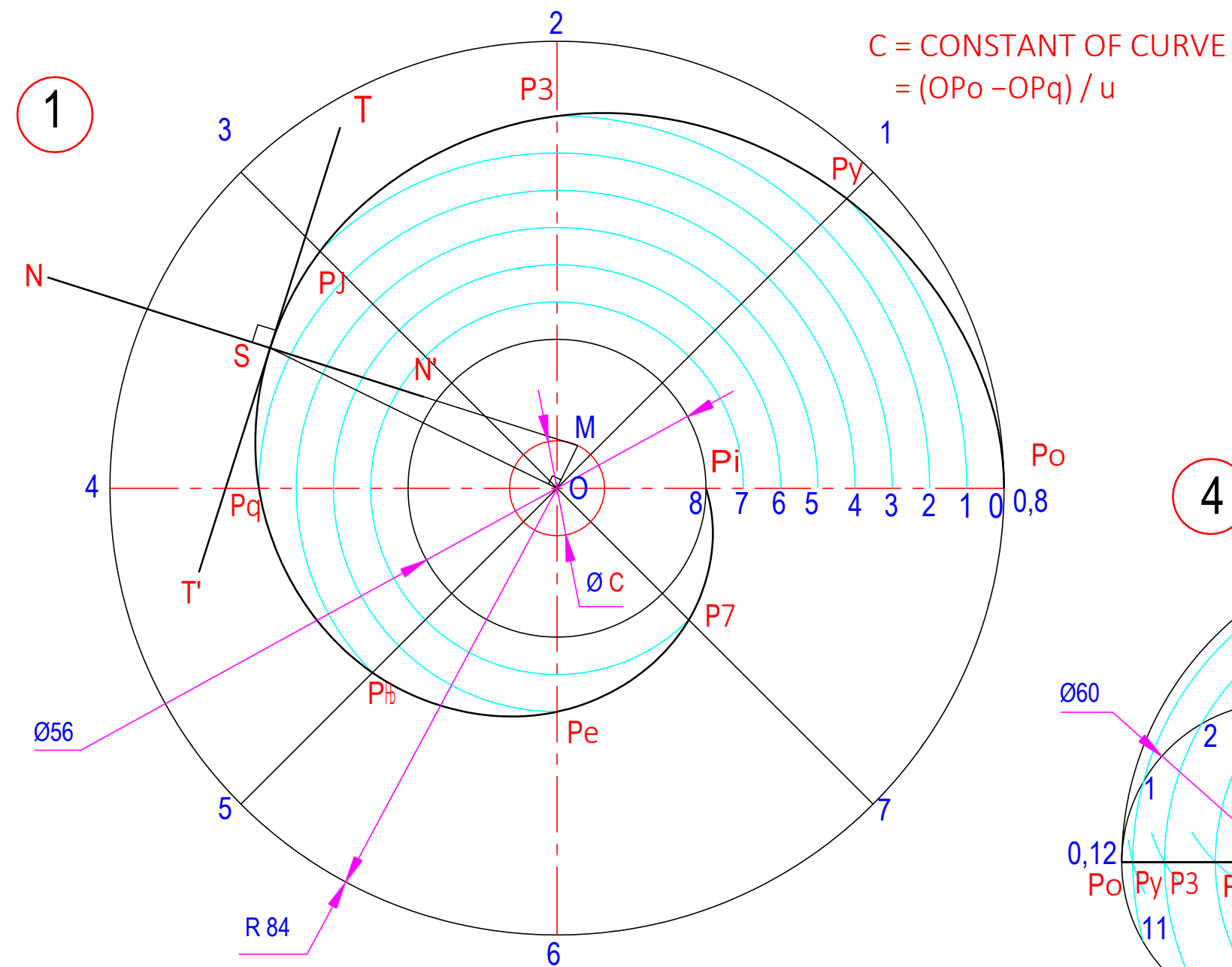
7



F = FOCUS POINT  
P & S = POINT ON CURVES  
NN' = NORMAL TO CURVES  
TT' = TANGENT TO CURVES  
V & V' = VERTEX POINTS  
e = ECCENTRICITY

|                 |      |                              |  |
|-----------------|------|------------------------------|--|
| DATE            | SIGN | ENGINEERING CURVES<br>CONICS |  |
| STD.            |      |                              |  |
| CKD.            |      |                              |  |
| COMP.           |      |                              |  |
| B.E. 1st SEM ME |      | DRG NO. 2                    |  |
| D. A. SOLANKI   |      |                              |  |
| 090540119000    |      |                              |  |
| SCALE - 1:1     |      |                              |  |



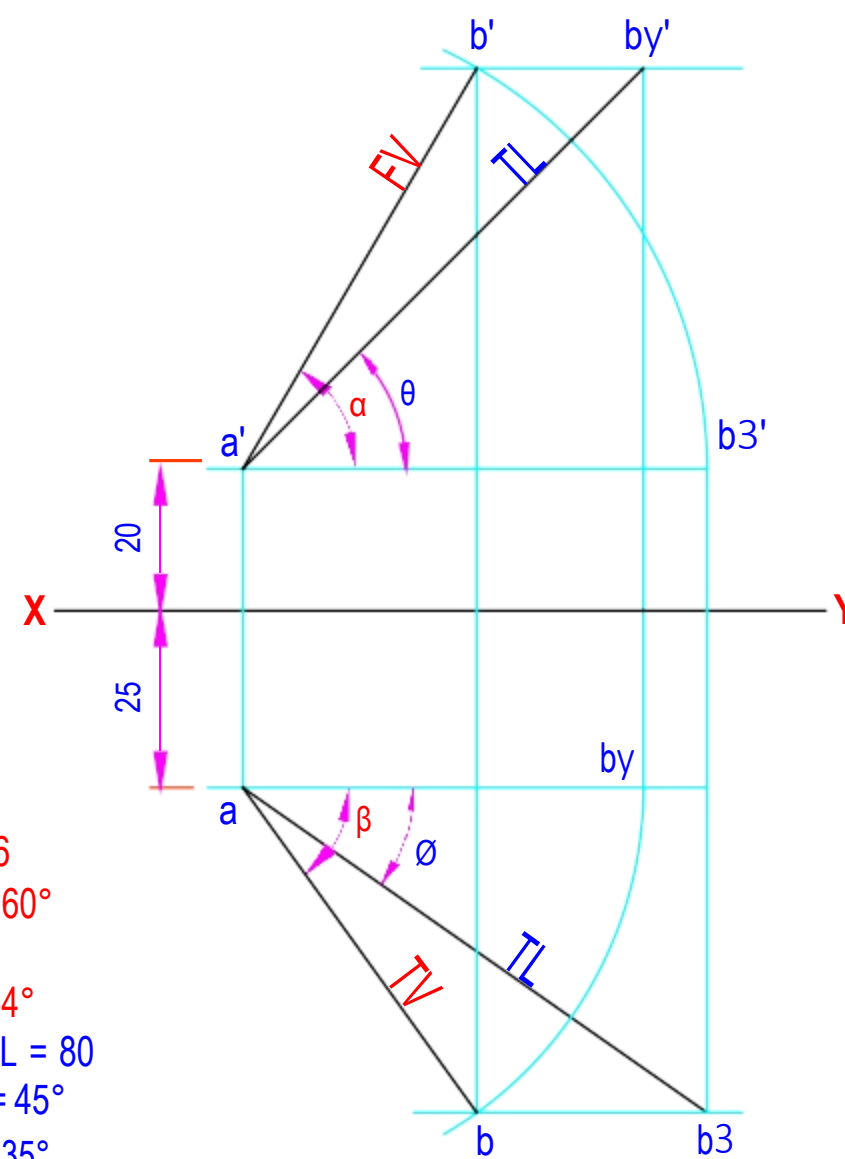


|   |      |      |           |
|---|------|------|-----------|
|   | DATE | SIGN |           |
| STD.                                      |      |      |           |
| CKD.                                      |      |      |           |
| COMP.                                     |      |      |           |
| B.E. 1st SEM ME                           |      |      |           |
| S. P. PANSURIA                            |      |      |           |
| 090540119000                              |      |      |           |
| SCALE - 1:1                               |      |      |           |
| ENGG. CURVES:CYCLOID<br>INVOLUTE & SPIRAL |      |      | DRG NO. 3 |

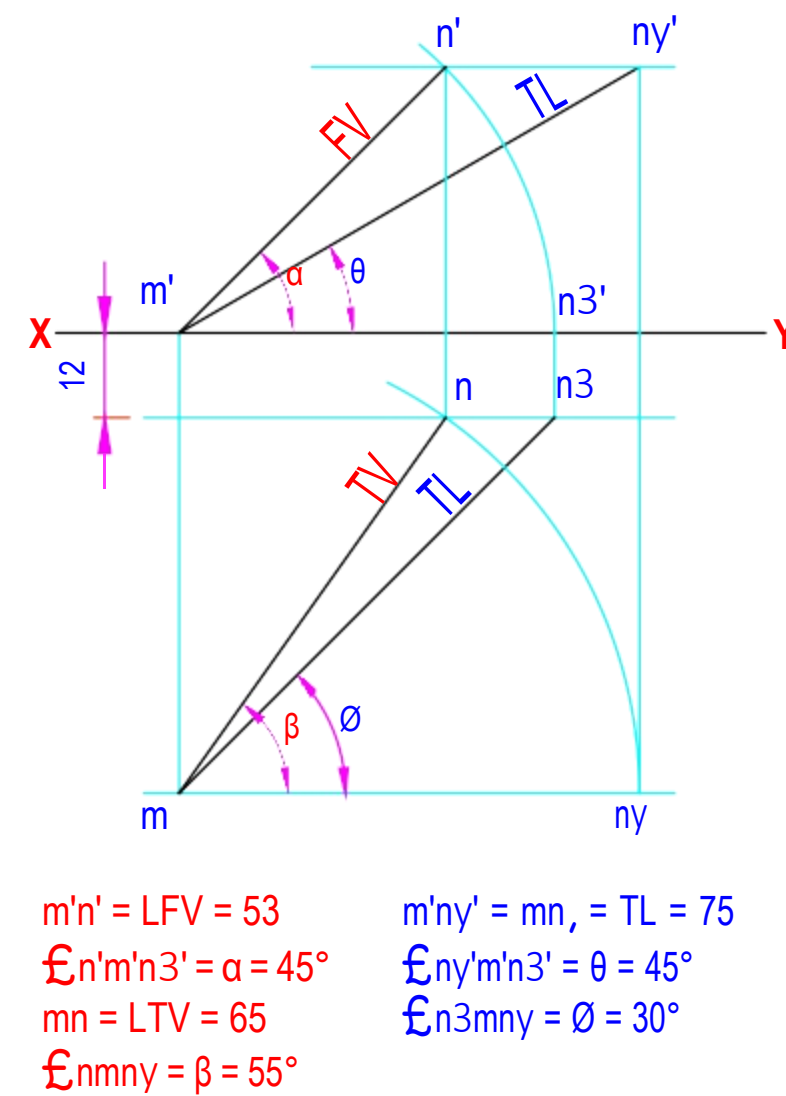




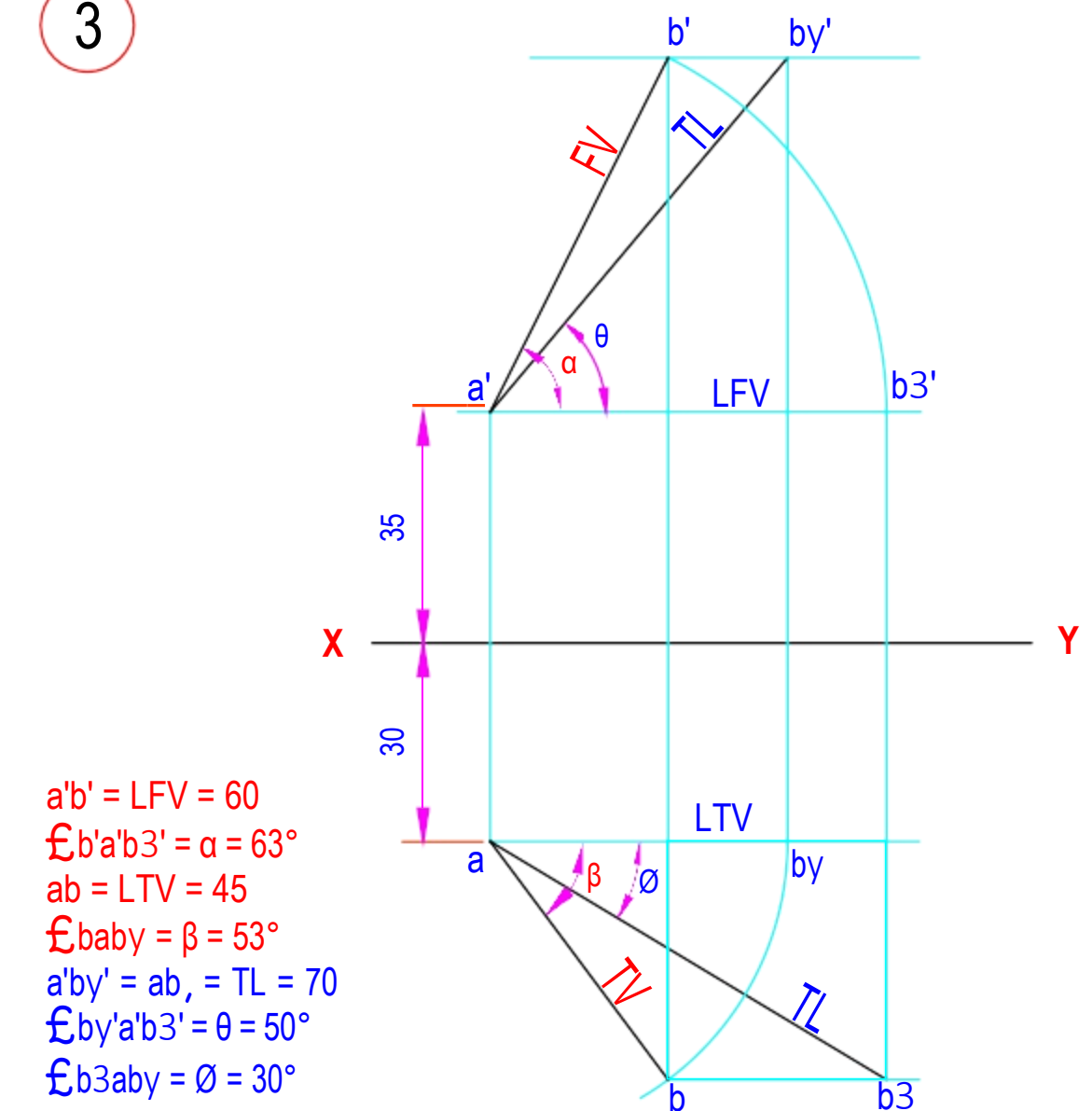
1



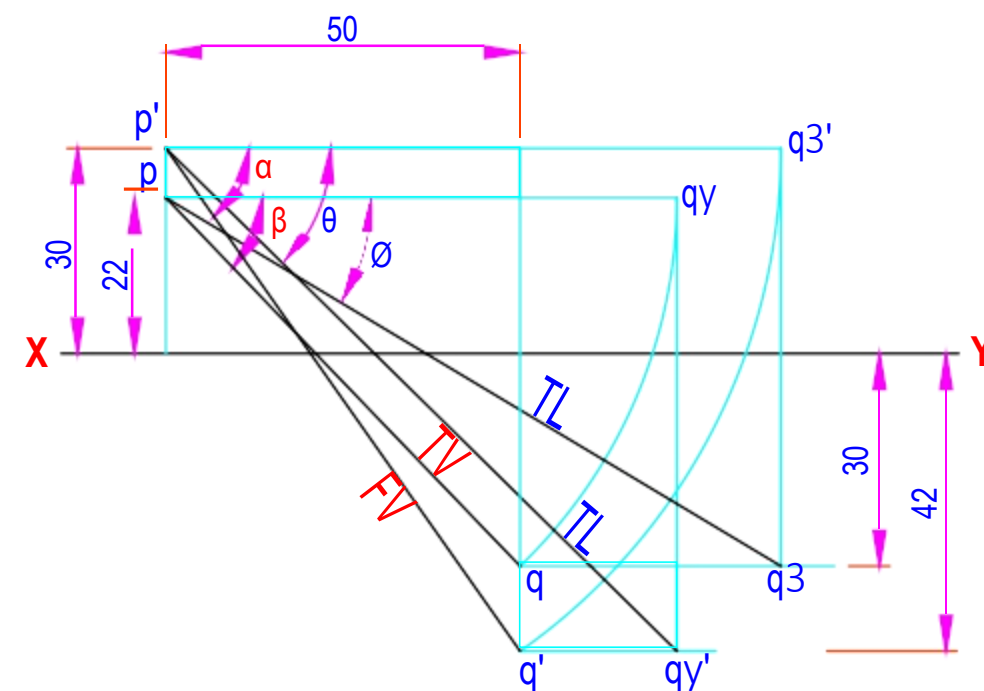
2



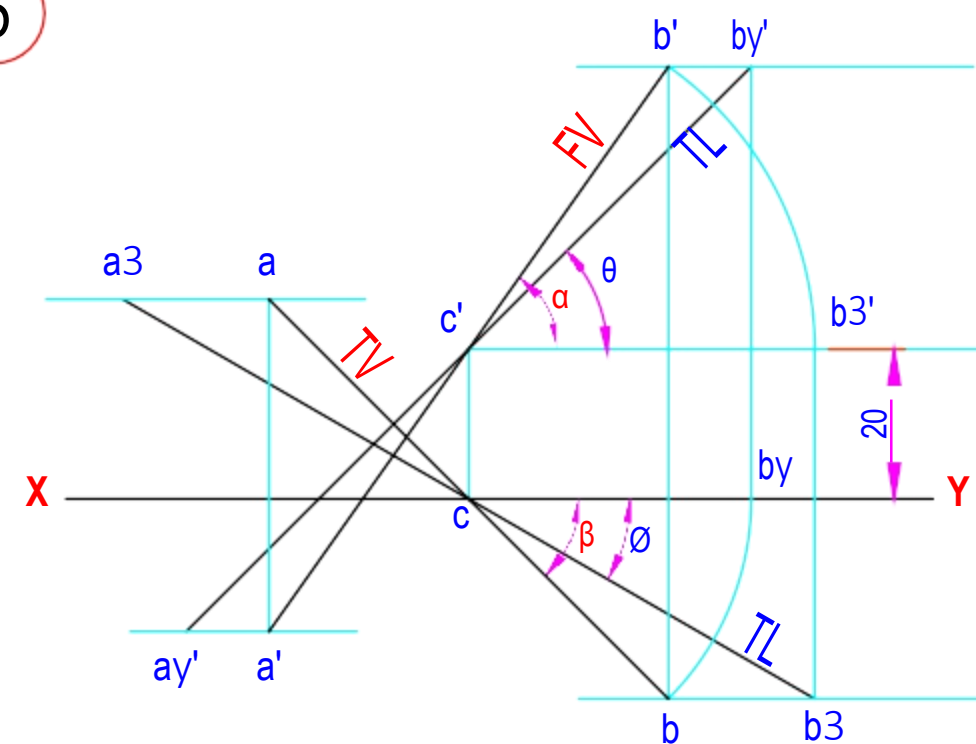
3



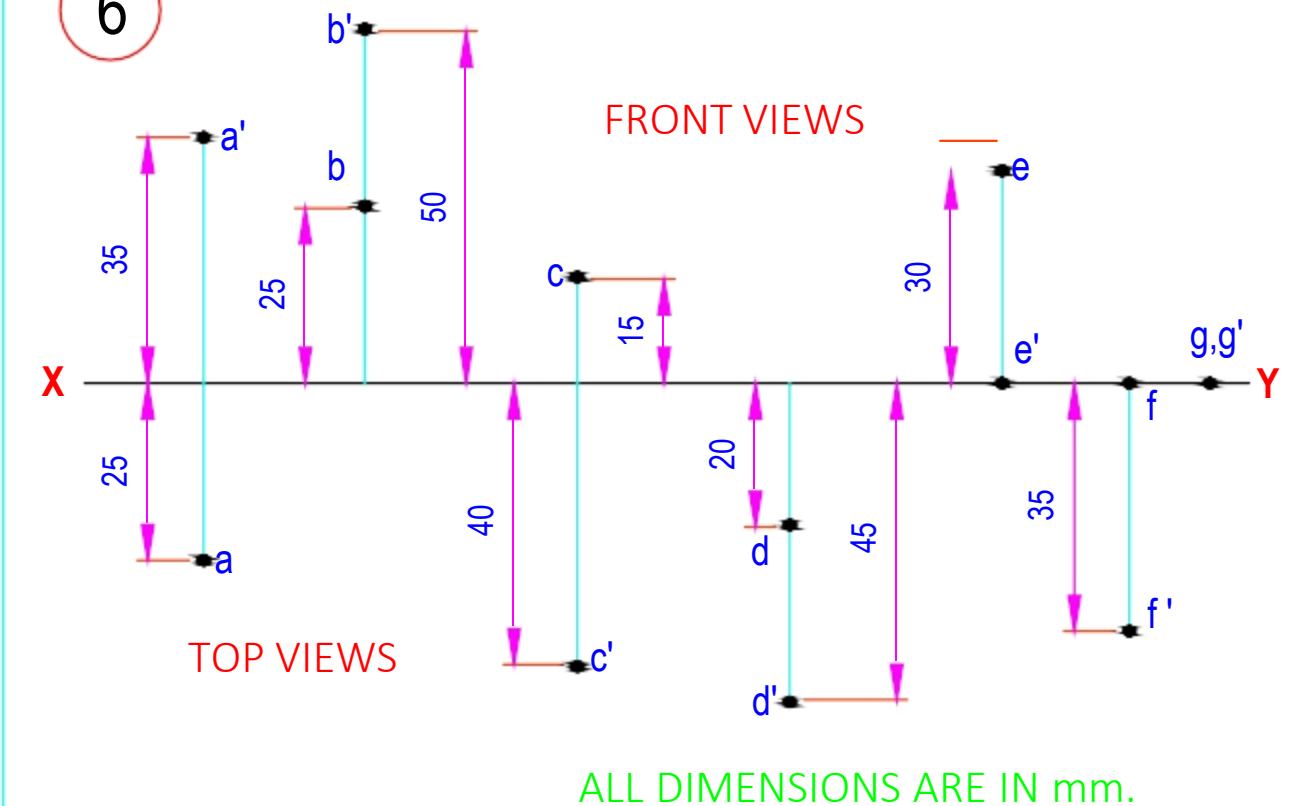
4



5

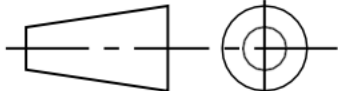


6



LFV = LENGTH OF FRONT VIEW  $\theta$  = INCLINATION OF TL WITH HP  
 LTV = LENGTH OF TOP VIEW  $\phi$  = INCLINATION OF TL WITH VP

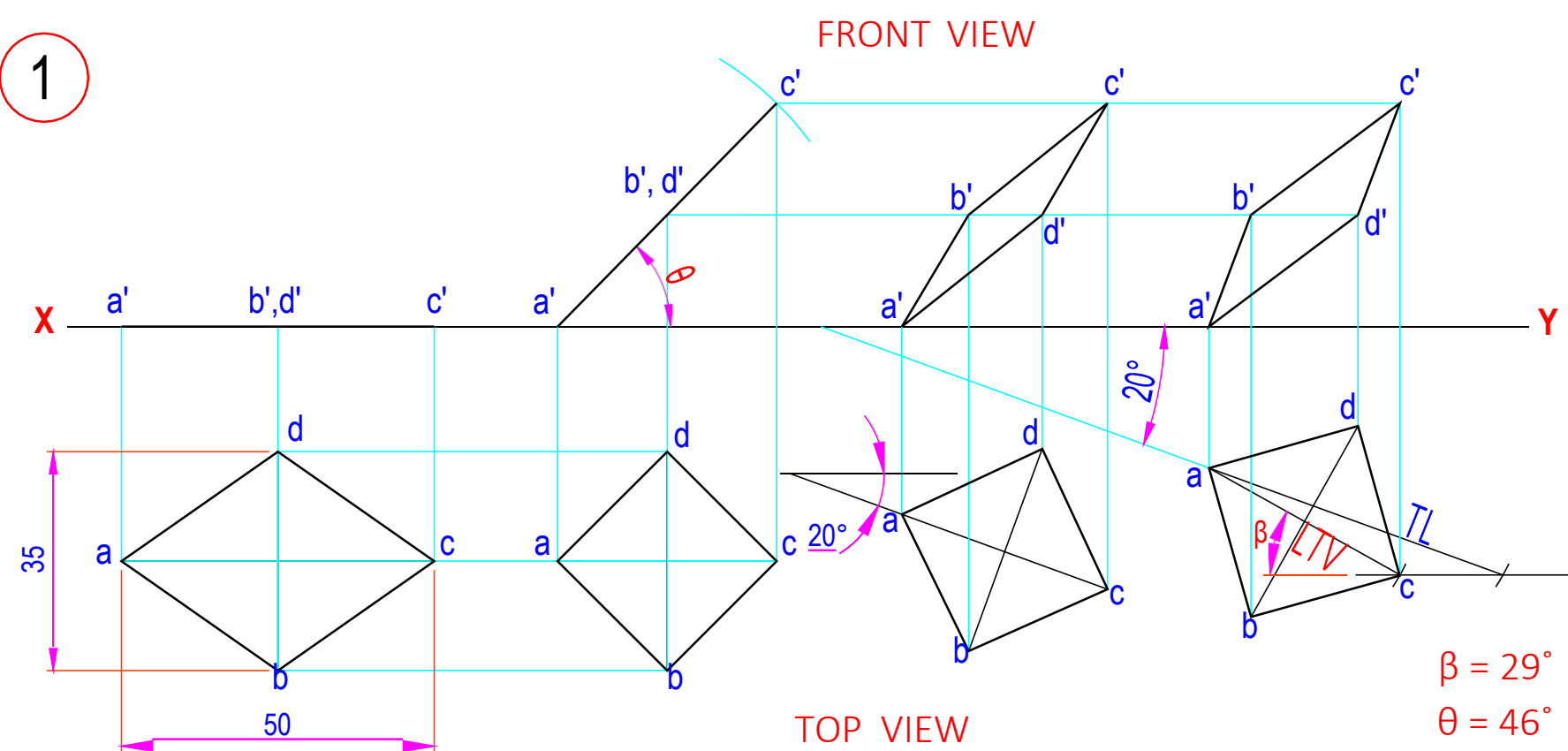
$\alpha$  = INCLINATION OF FV WITH HP  $\text{FV}$  = FRONT VIEW  
 $\beta$  = INCLINATION OF TV WITH VP  $\text{TV}$  = TOP VIEW

|                 |      |      |   |           |
|-----------------|------|------|---|-----------|
|                 | DATE | SIGN | PROJECTIONS OF<br>PLANES  |           |
| STD.            |      |      |   |           |
| CKD.            |      |      |   |           |
| COMP.           |      |      |   |           |
| B.E. 1st SEM ME |      |      |  | DRG NO. 4 |
| D. S. DADHANIYA |      |      |   |           |
| 090540119000    |      |      |   |           |
| SCALE - 1:1     |      |      |   |           |

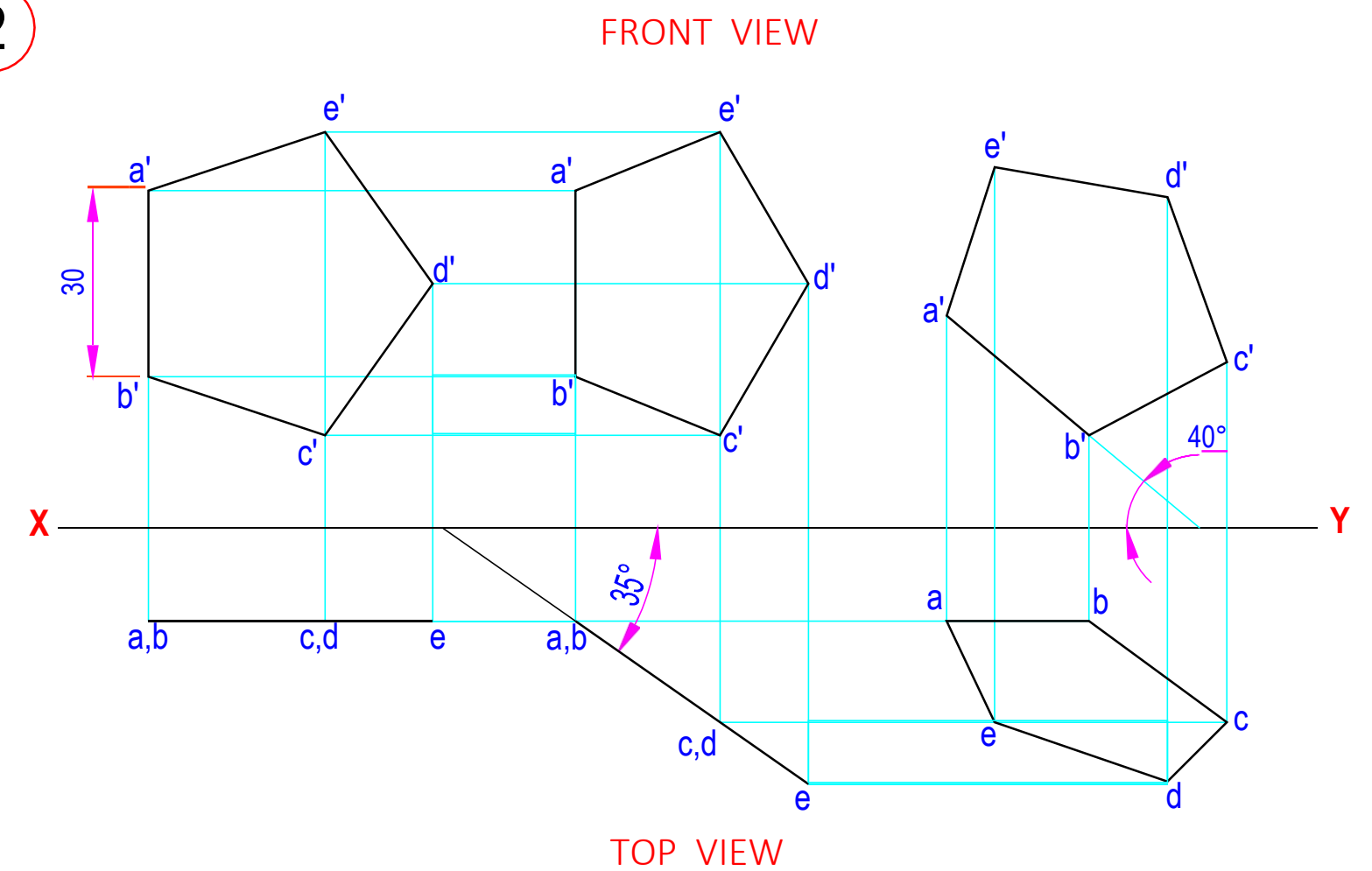




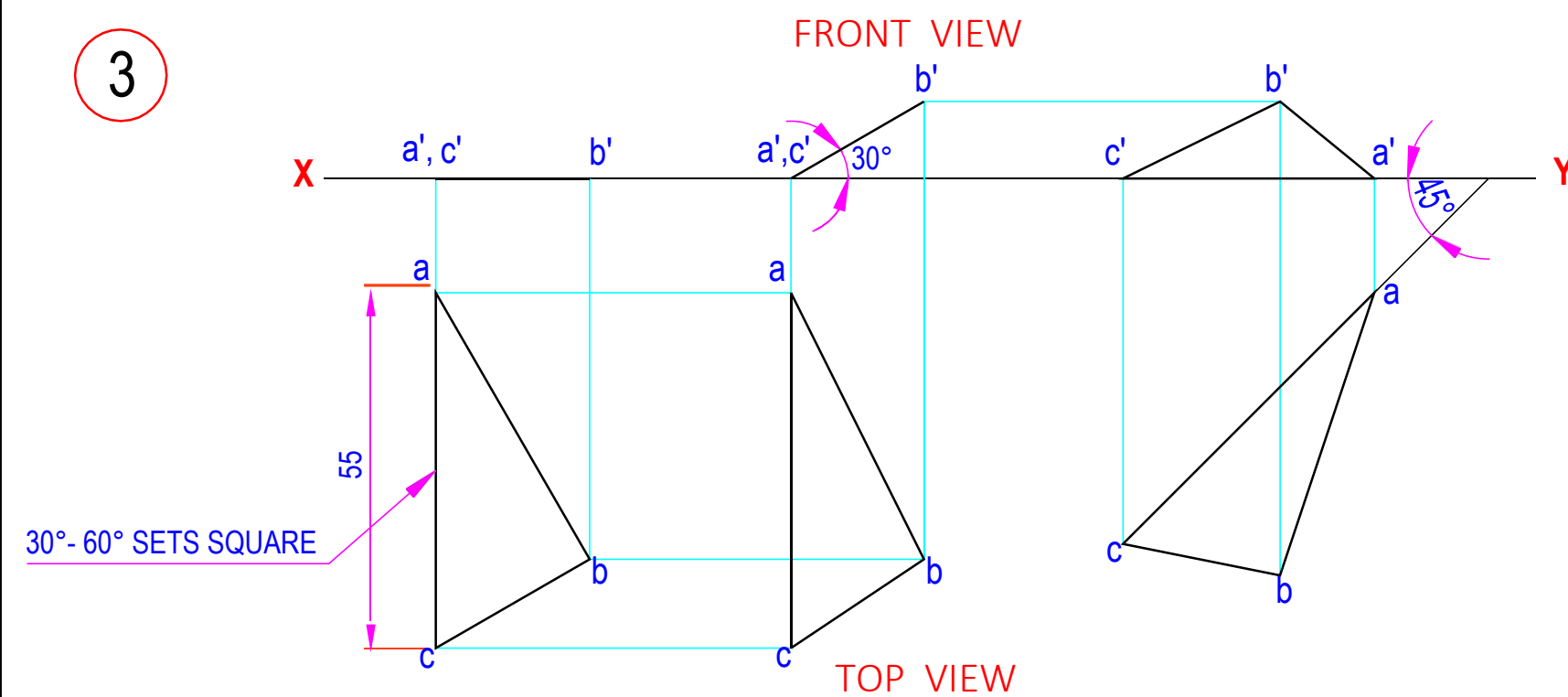
1



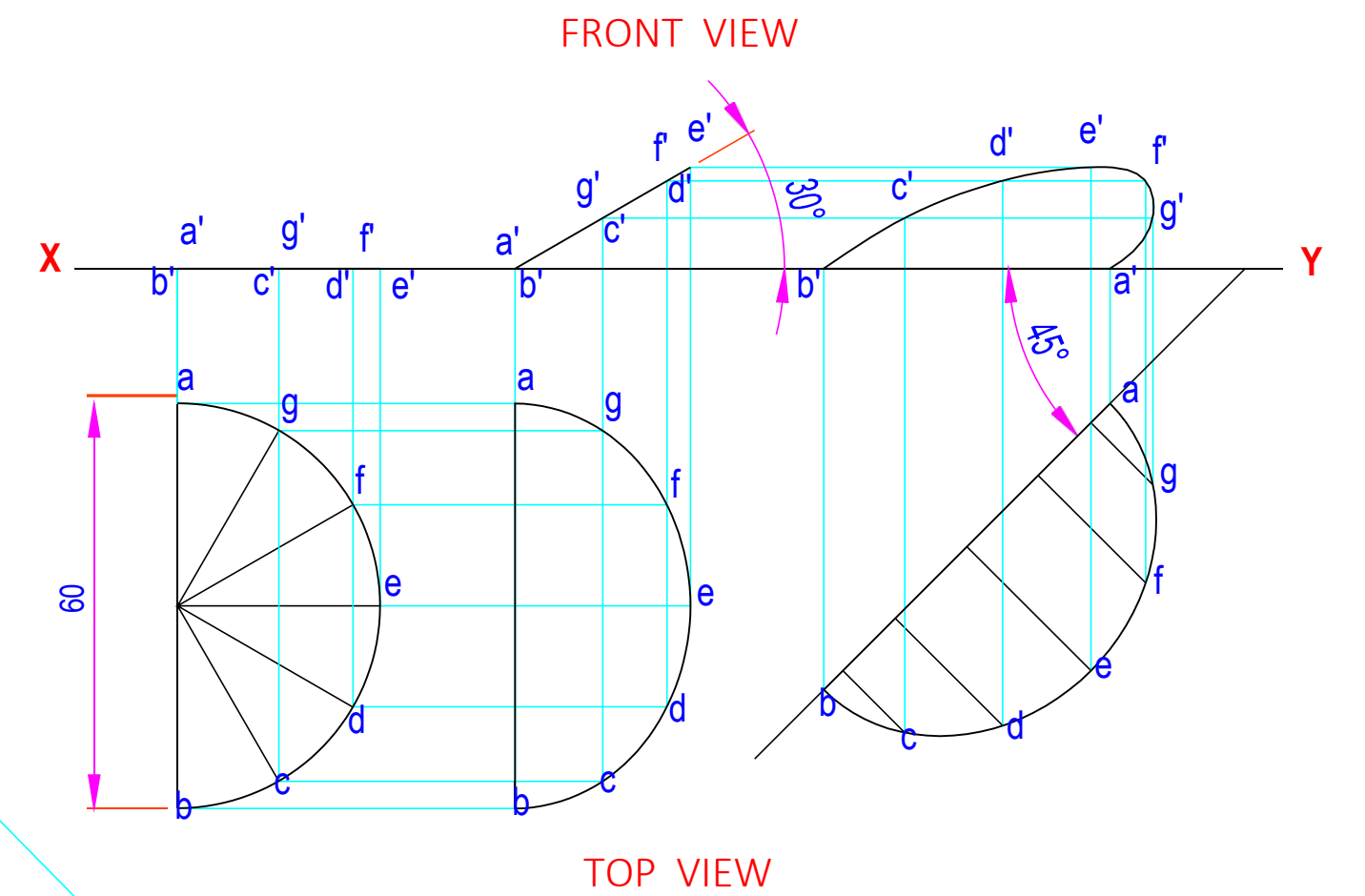
2



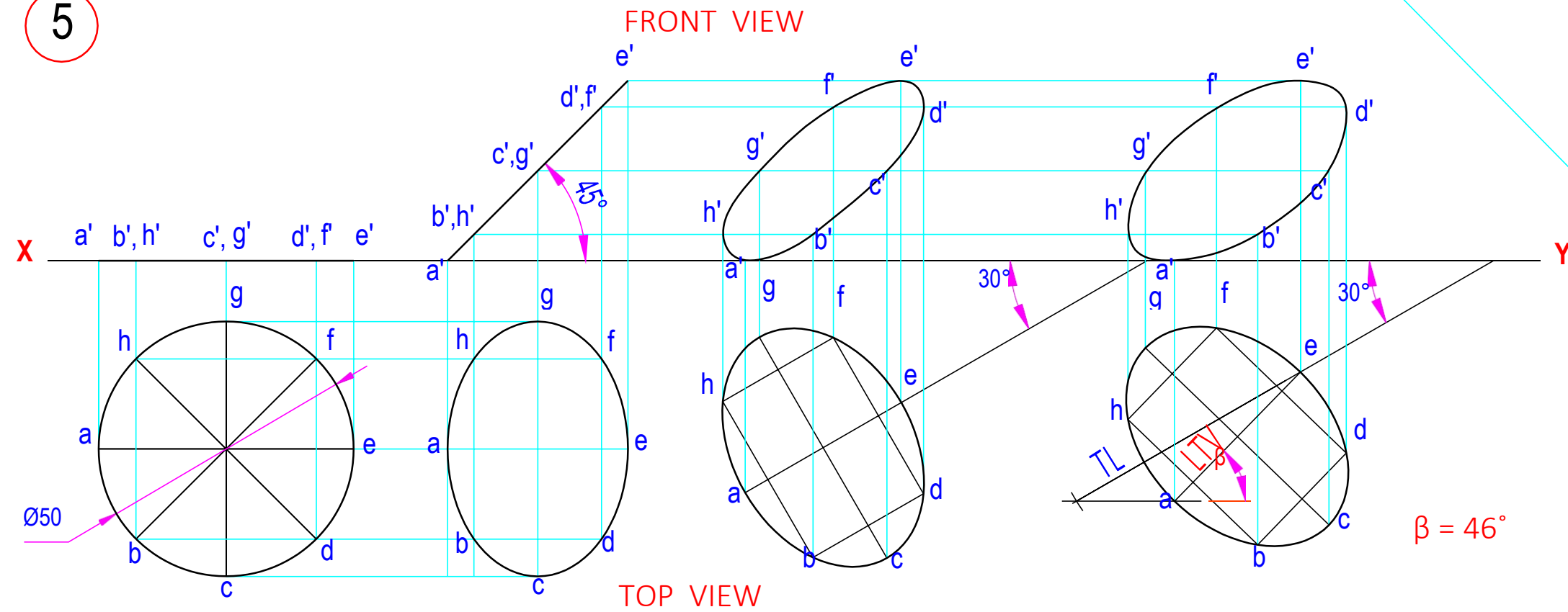
3



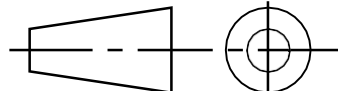
4



5

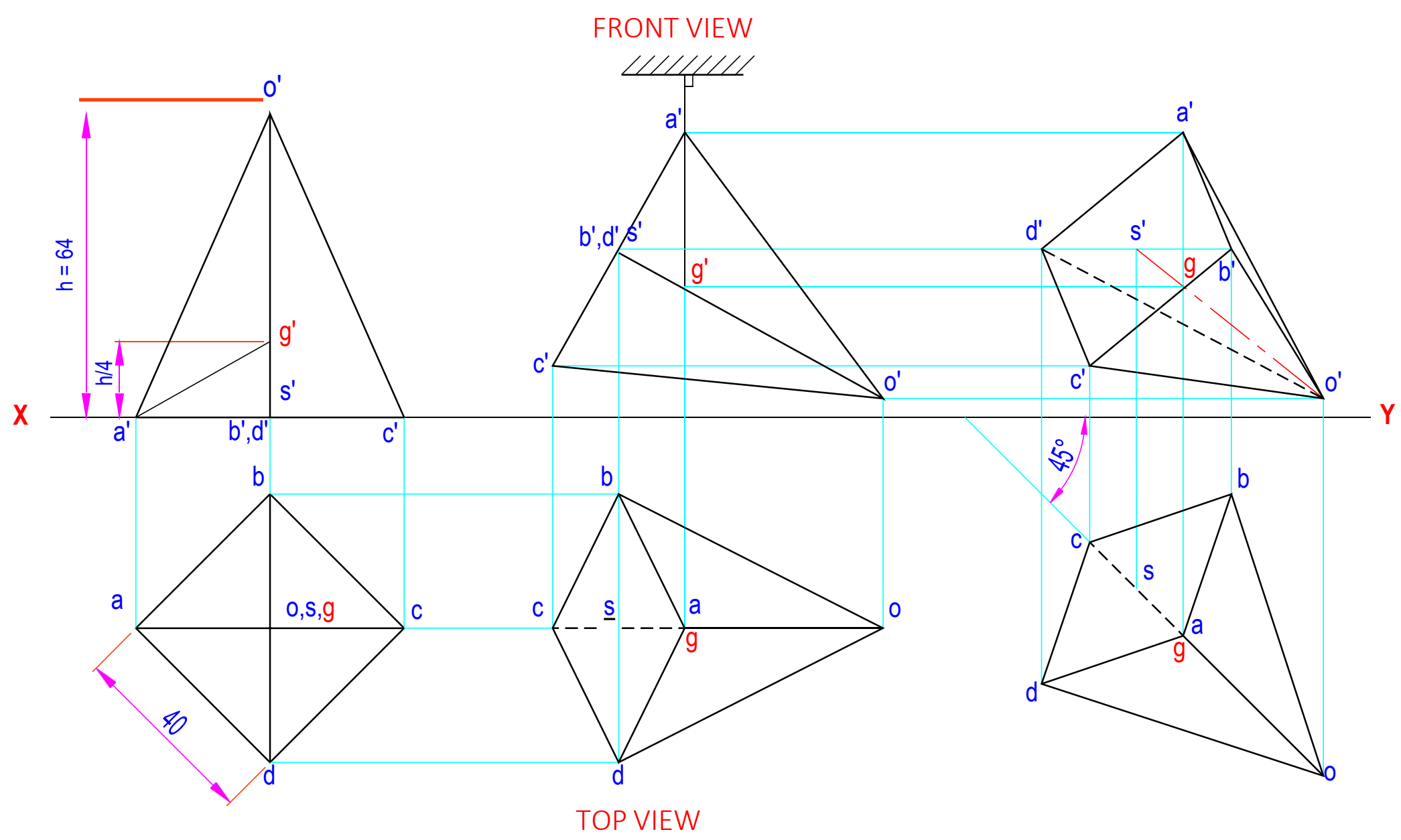


ALL DIMENSIONS ARE IN mm.

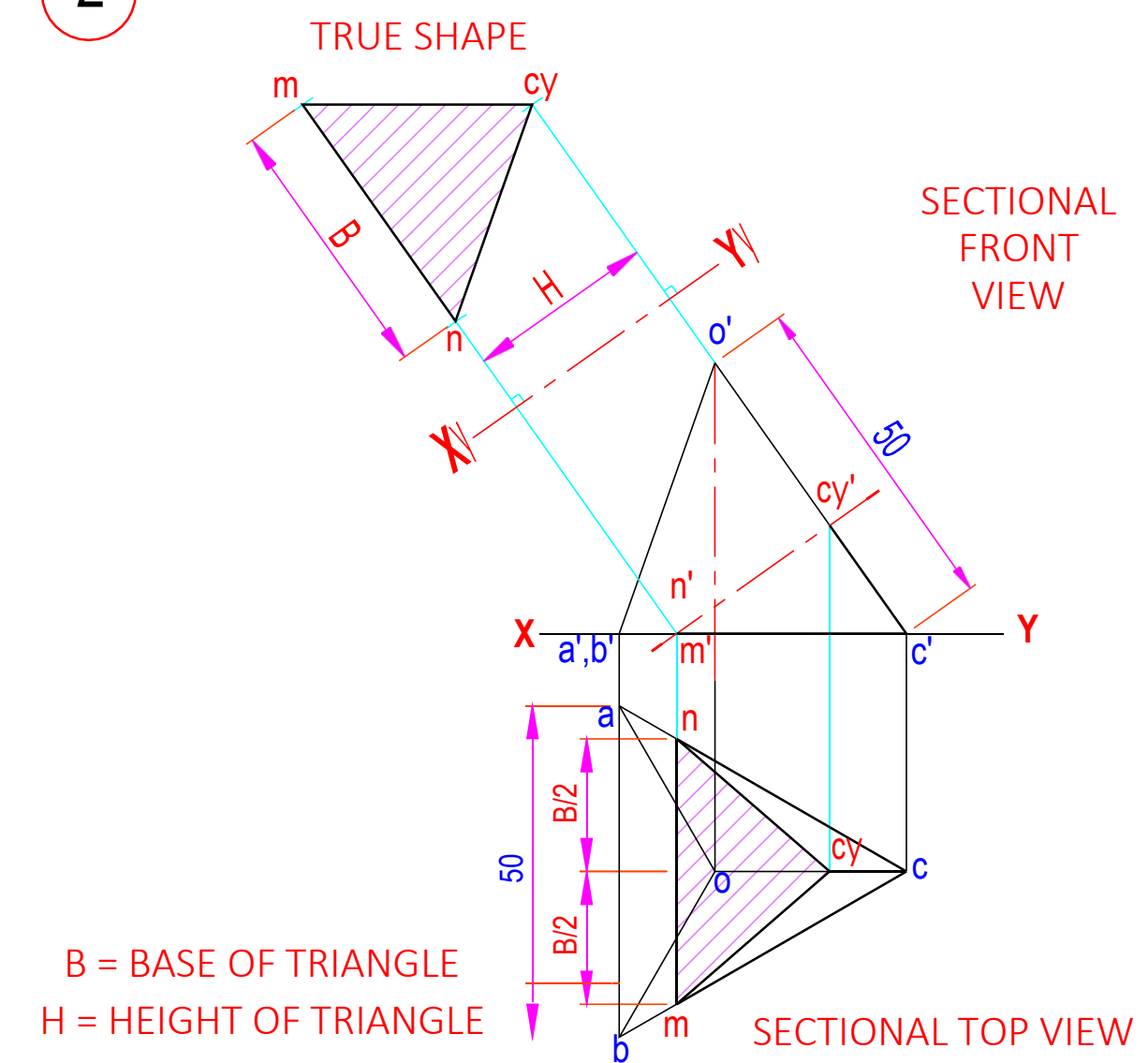
|                 |      |      |   |  |
|-----------------|------|------|---|--|
|                 | DATE | SIGN | PROJECTIONS OF<br>PLANES  |  |
| STD.            |      |      |   |  |
| CKD.            |      |      |   |  |
| COMP.           |      |      |   |  |
| B.E. 1st SEM ME |      |      |  |  |
| D. S. DADHANIYA |      |      |   |  |
| 090540119000    |      |      |   |  |
| SCALE - 1:1     |      |      | DRG NO. 5   |  |



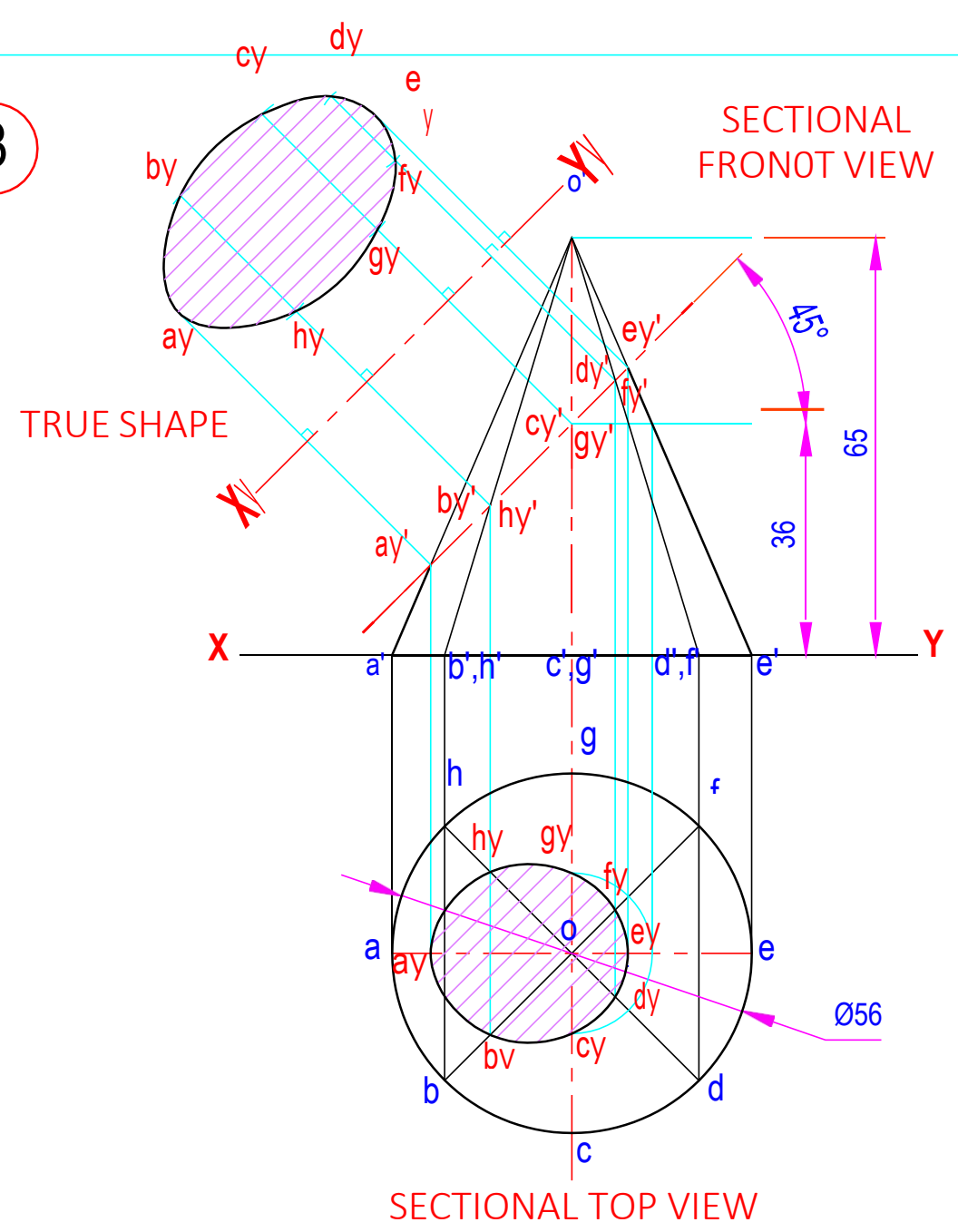
1



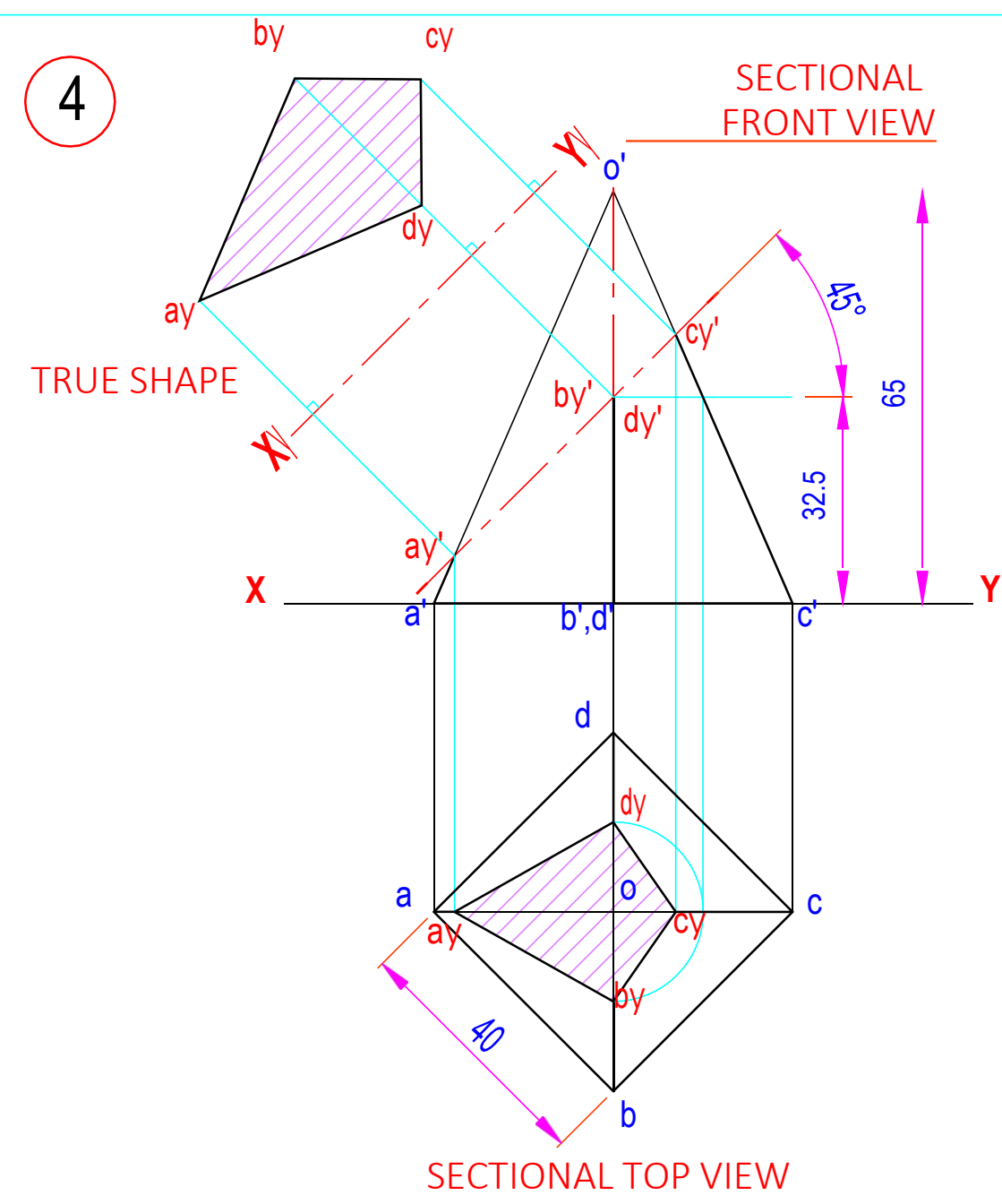
2



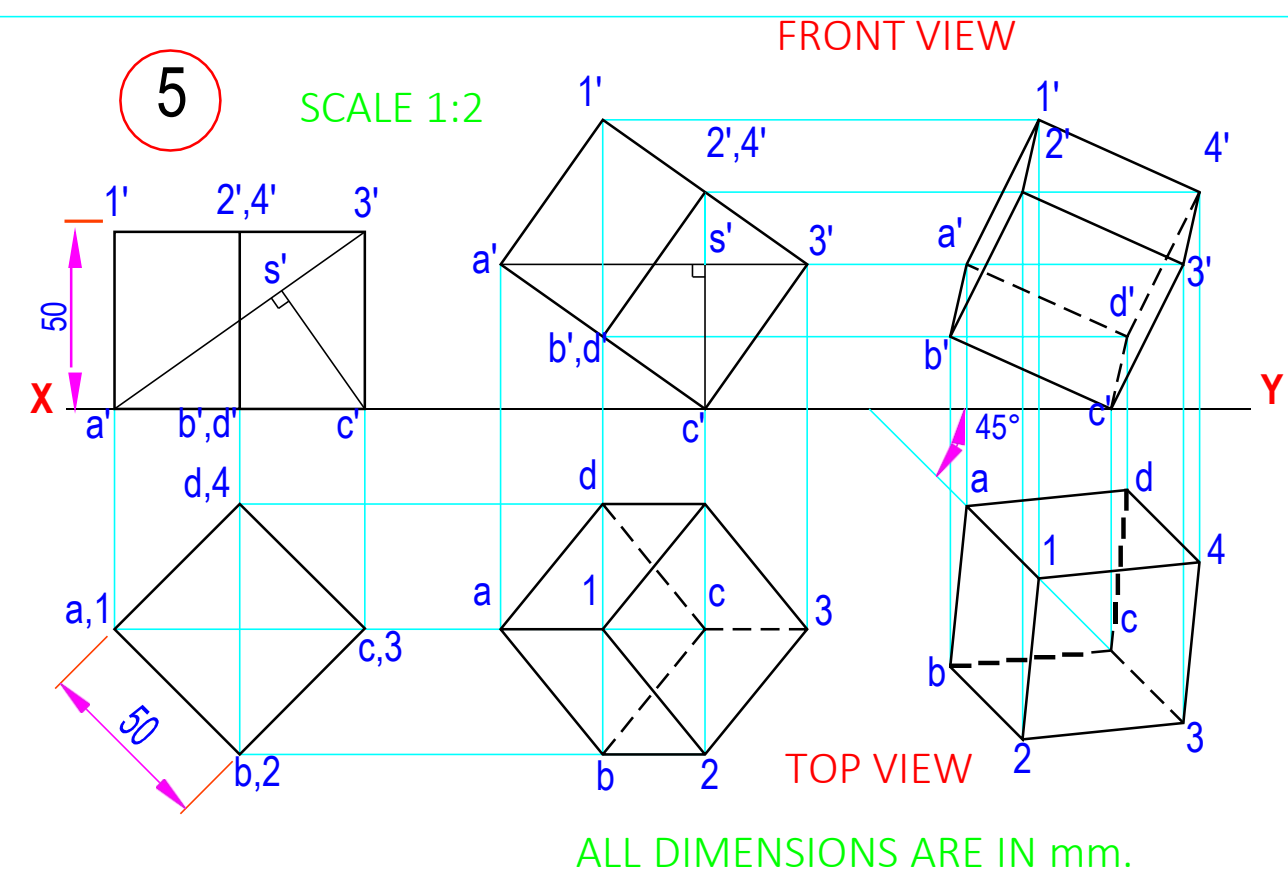
3

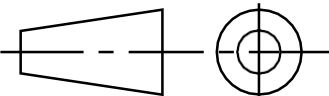


4



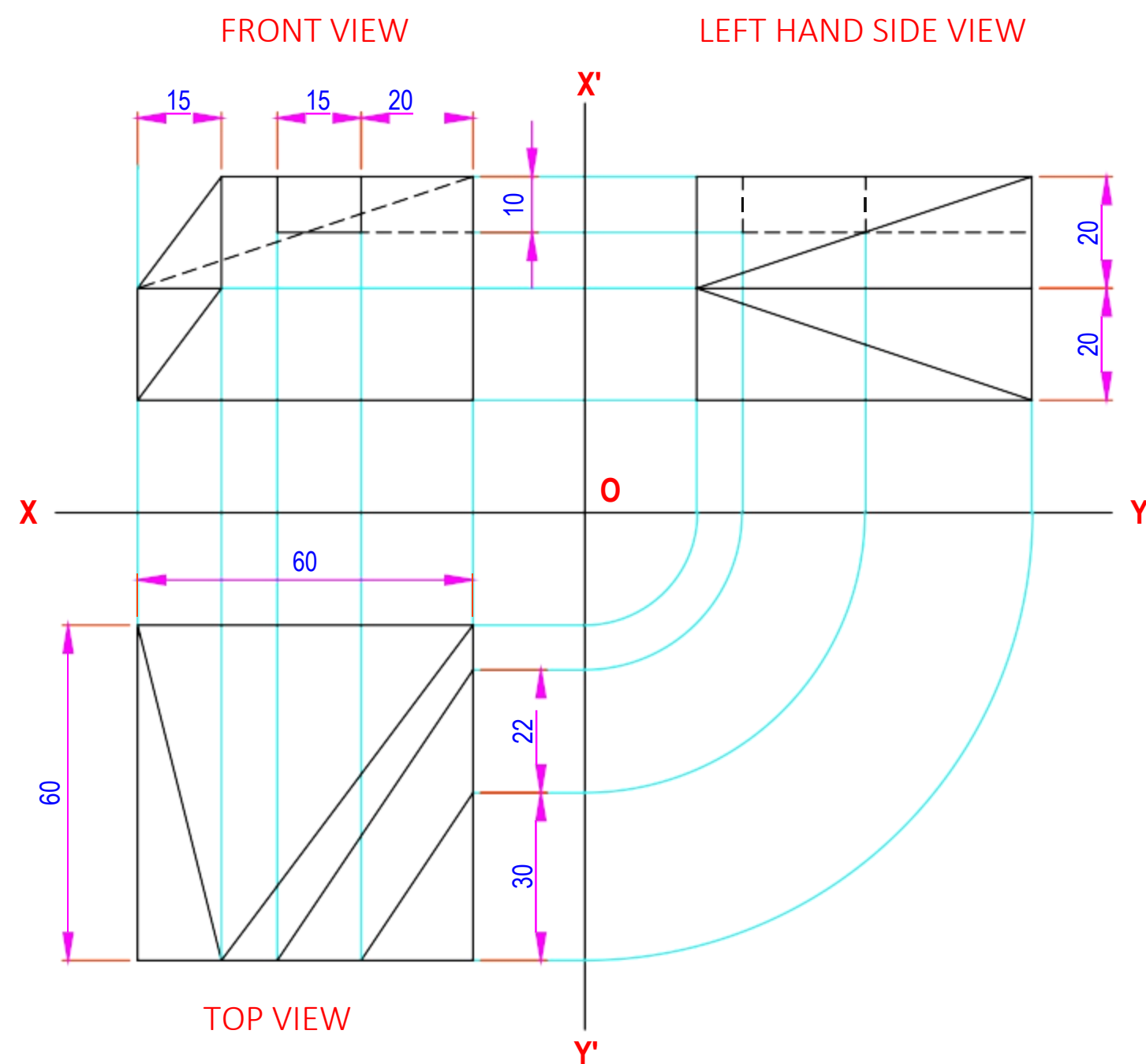
5



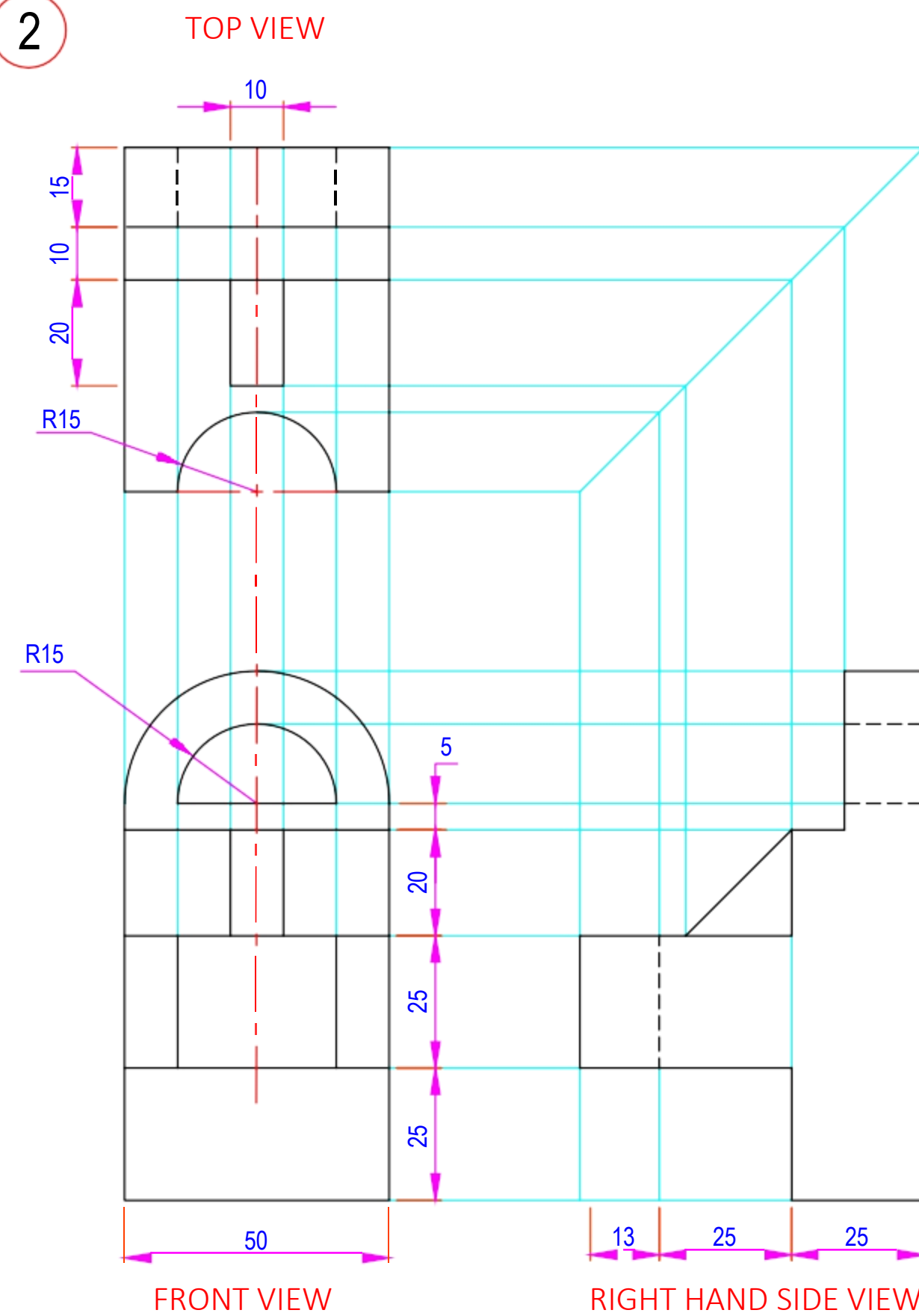
|                  |      |      |   |           |
|------------------|------|------|---|-----------|
|                  | DATE | SIGN |   |           |
| STD.             |      |      |   |           |
| CKD.             |      |      |   |           |
| COMP.            |      |      |   |           |
| B.E. 1st SEM ME  |      |      | PROJECTIONS &<br>SECTIONS OF SOLIDS   |           |
| K. R. PADSUMBIYA |      |      |   |           |
| 090540119000     |      |      |  | DRG NO. 6 |
| SCALE - 1:1      |      |      |   |           |



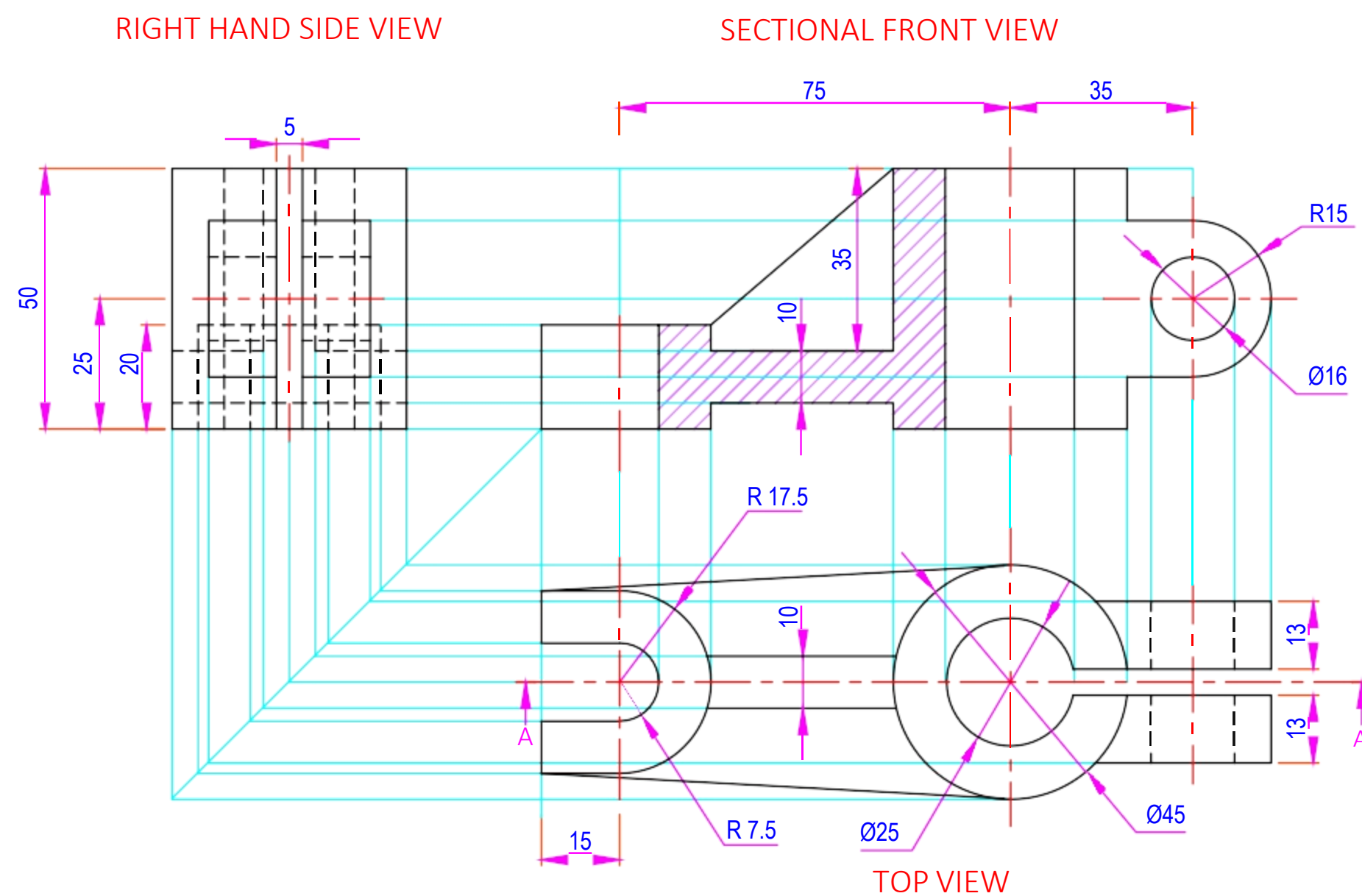
1



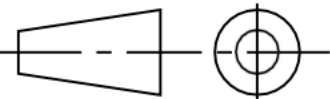
2



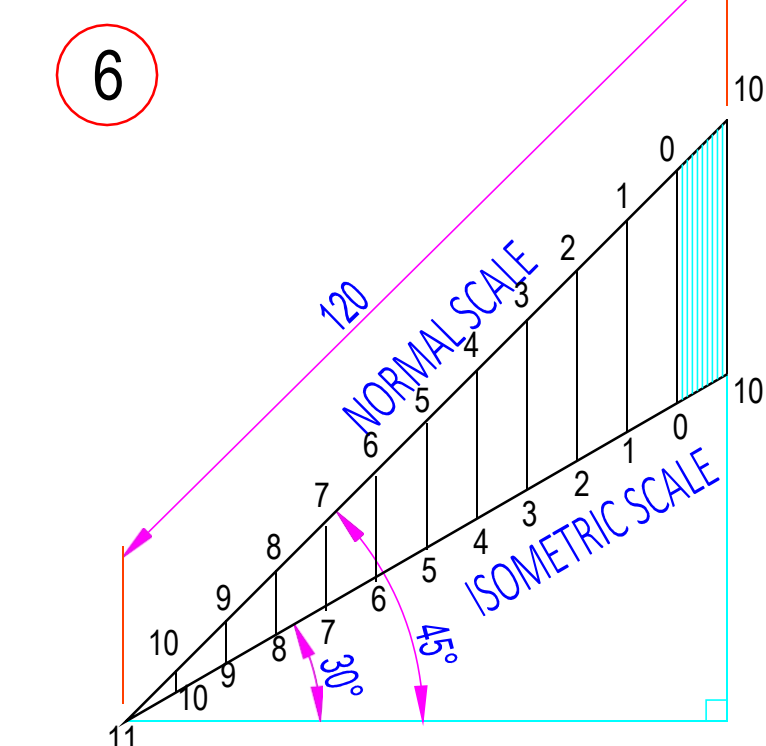
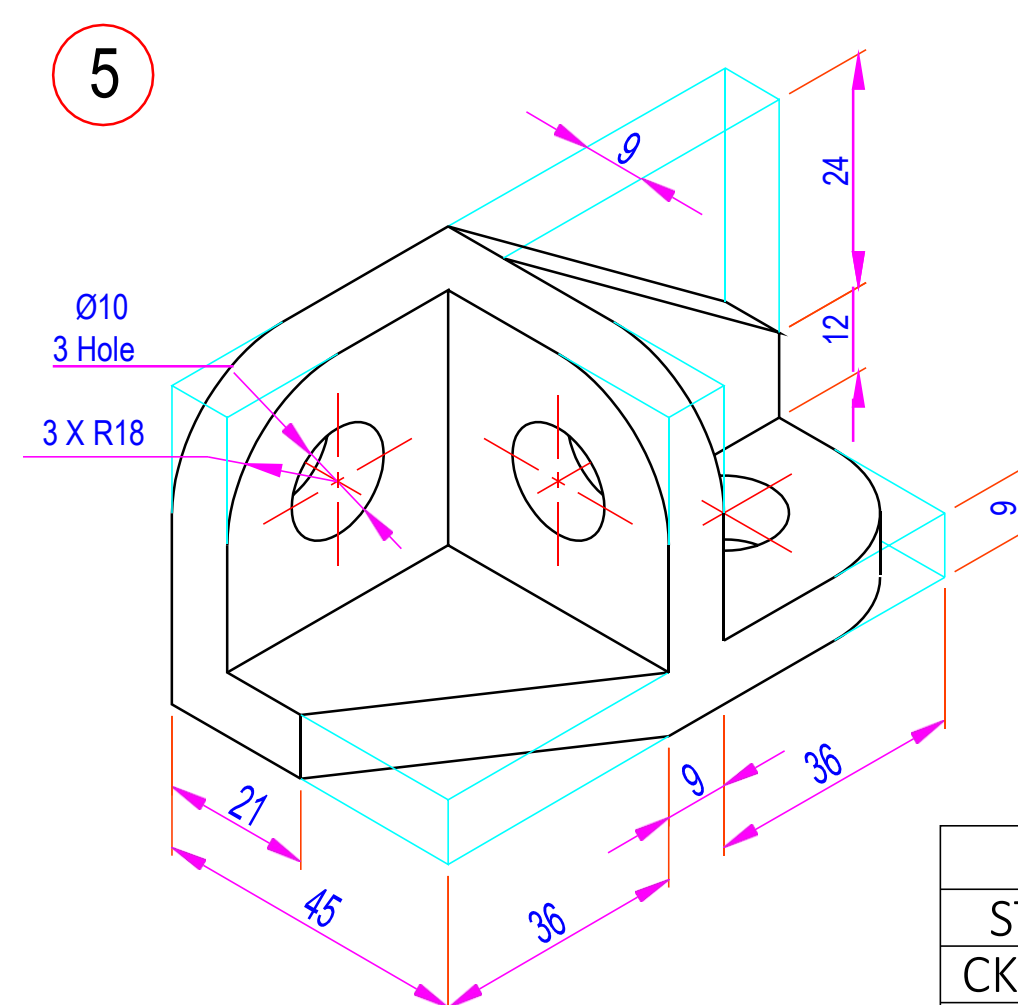
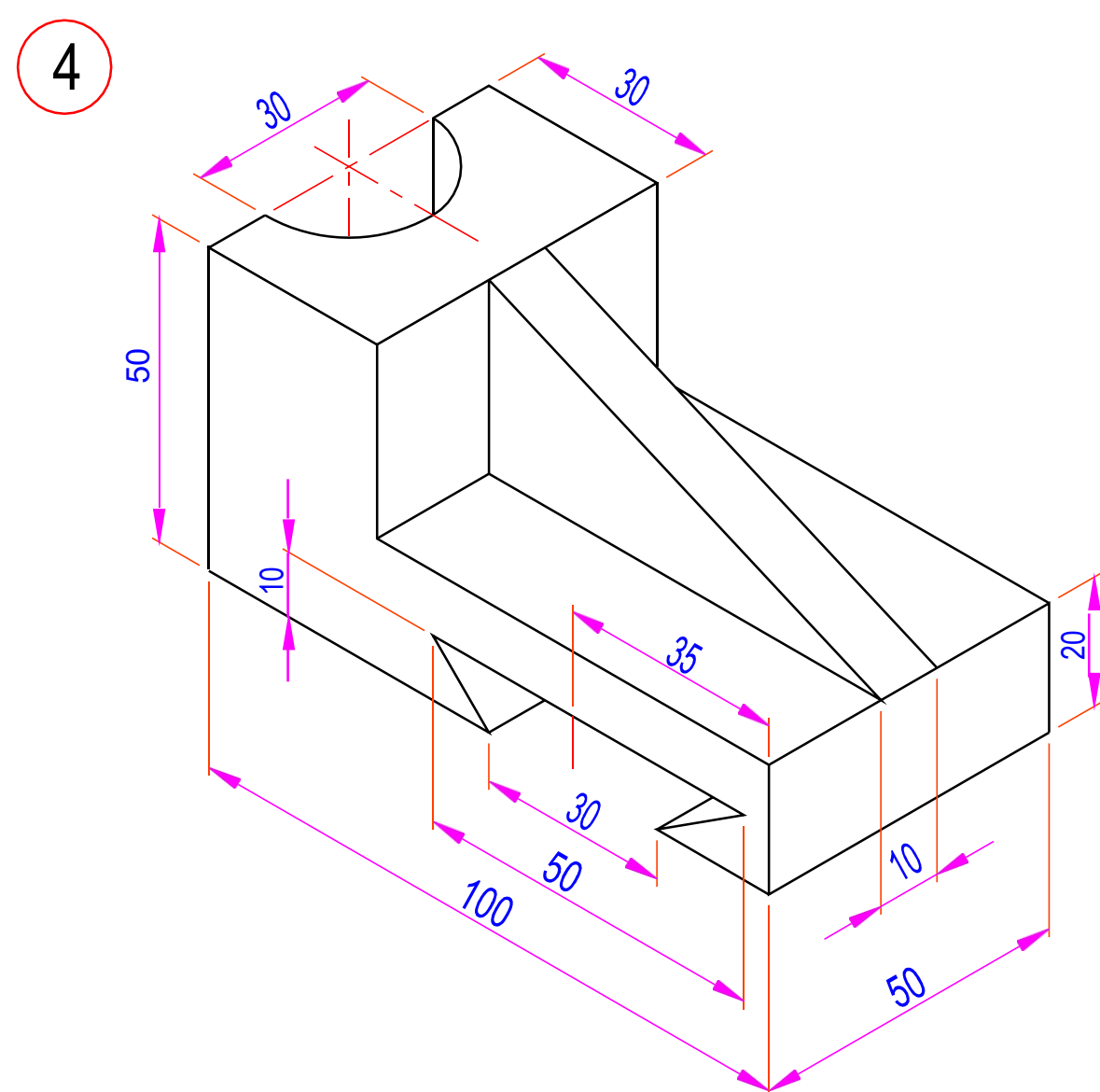
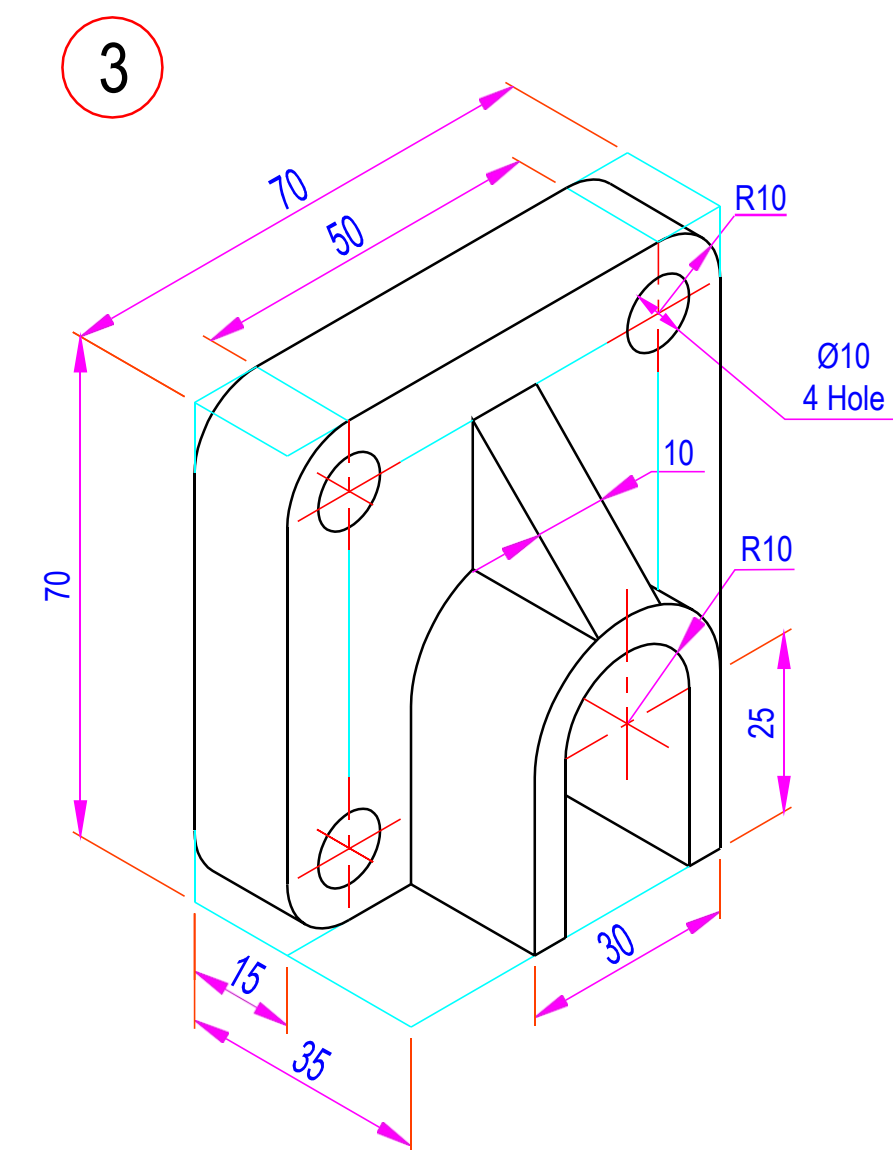
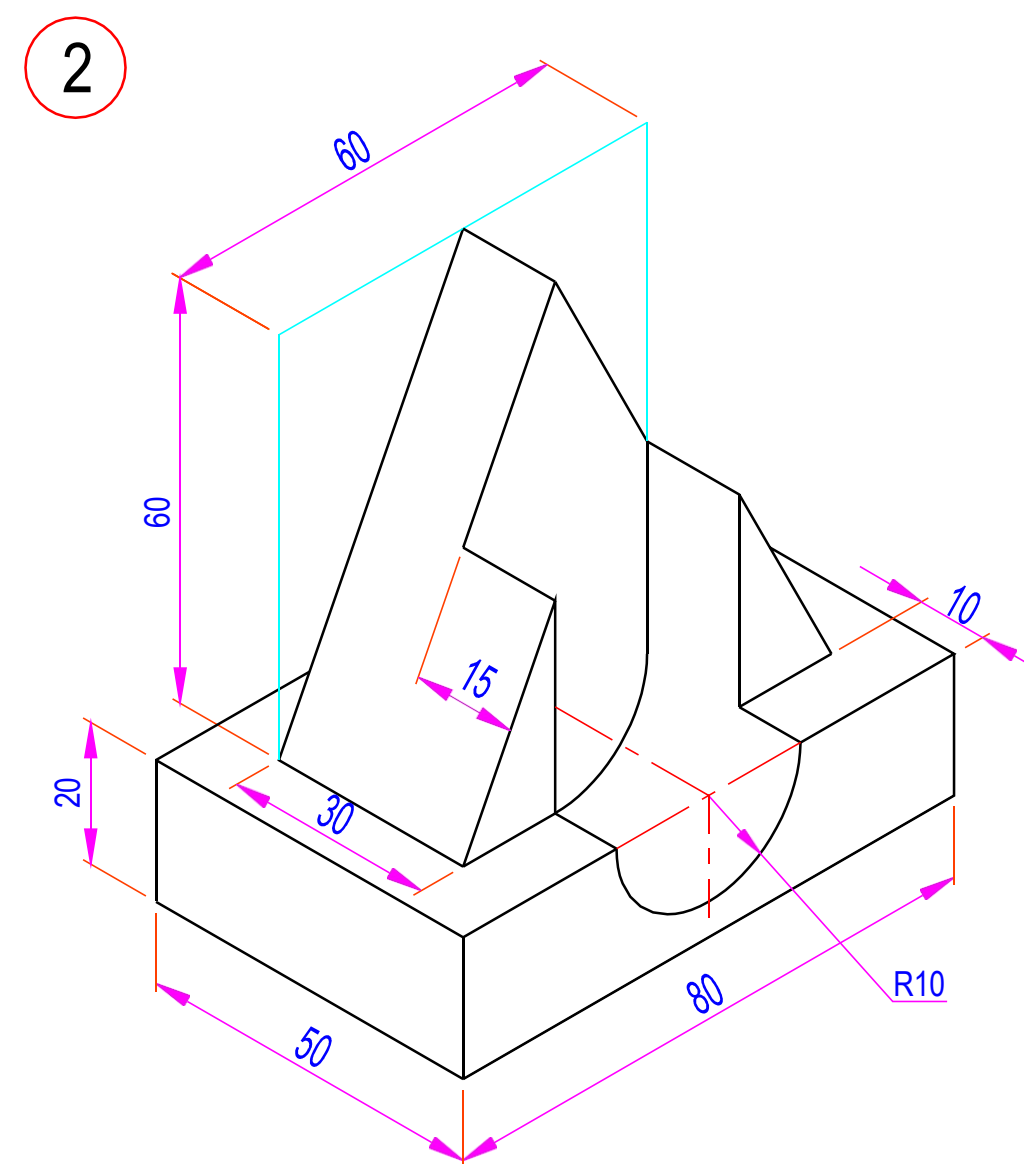
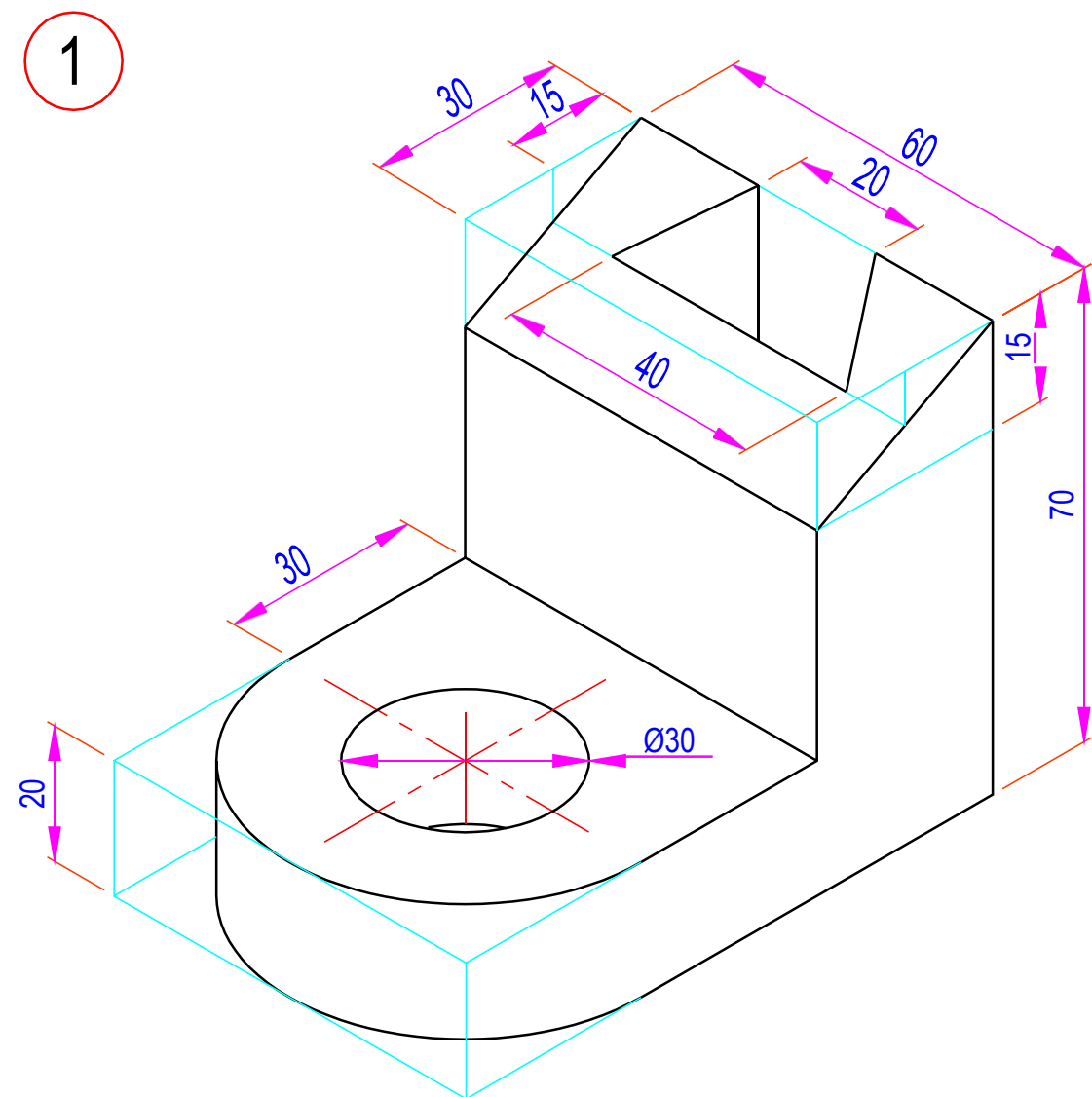
3



ALL DIMENSIONS ARE IN mm.

|                 |      |      |   |          |
|-----------------|------|------|---|----------|
|                 | DATE | SIGN |   |          |
| STD.            |      |      |   |          |
| CKD.            |      |      |   |          |
| COMP.           |      |      |   |          |
| B.E. 1st SEM ME |      |      | ISOMETRIC<br>PROJECTIONS  |          |
| A. G. GUNJARIYA |      |      |   |          |
| 090540119000    |      |      |  | DRG NO.7 |
| SCALE - 1:1     |      |      |   |          |





ALL DIMENSIONS ARE IN mm.

|                 |      |      |                       |  |
|-----------------|------|------|-----------------------|--|
| STD.            | DATE | SIGN | ISOMETRIC PROJECTIONS |  |
| CKD.            |      |      |                       |  |
| COMP.           |      |      |                       |  |
| B.E. 1st SEM ME |      |      |                       |  |
| A. G. GUNJARIYA |      |      | DRG NO. 8             |  |
| 090540119000    |      |      |                       |  |
| SCALE - 1:1     |      |      |                       |  |