

ASSIGNMENT #0
NAME - PRINCE MAURYA
ROLL NO. - 21D80005

ALL DIMENSIONS ARE IN mm

PROBLEM #1

A REGULAR PENTAGON (SIDE 25)

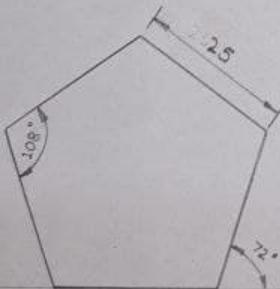


FIGURE 1

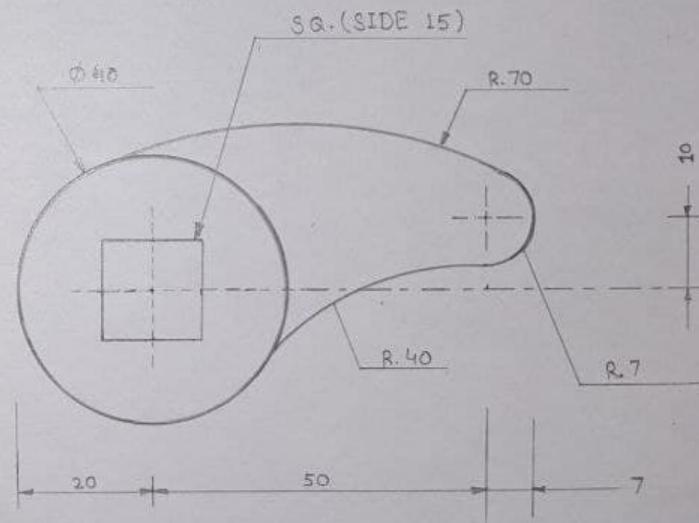
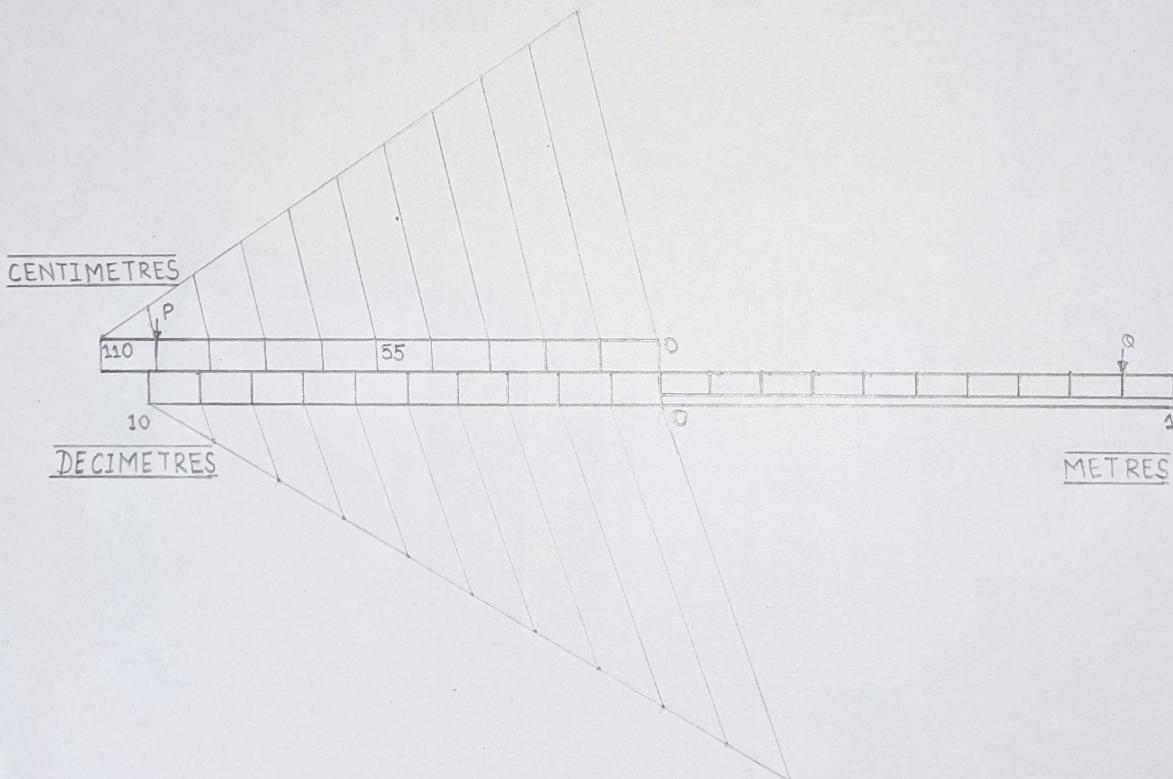


FIGURE 2

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$$RF = \frac{8\text{ cm}}{1\text{ m}} = \frac{8\text{ cm}}{100\text{ cm}} = \frac{2}{25}$$

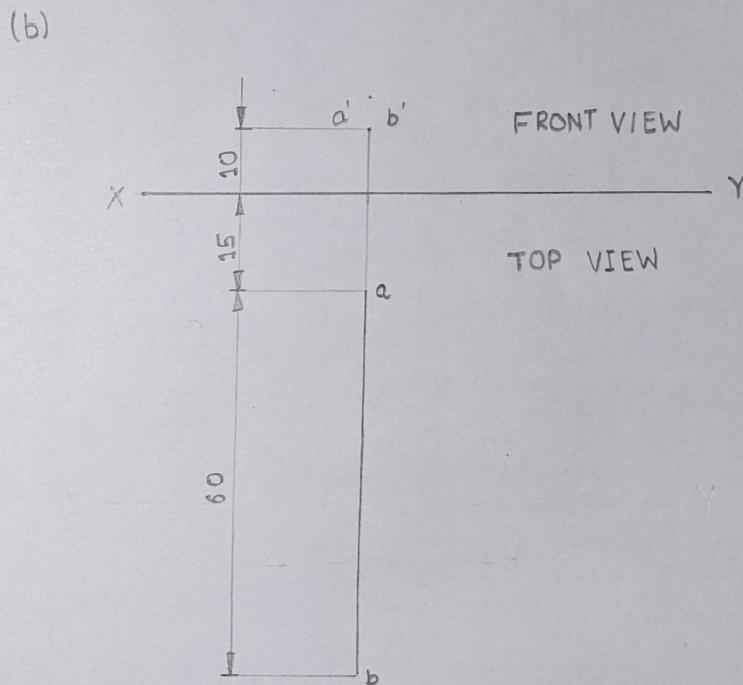
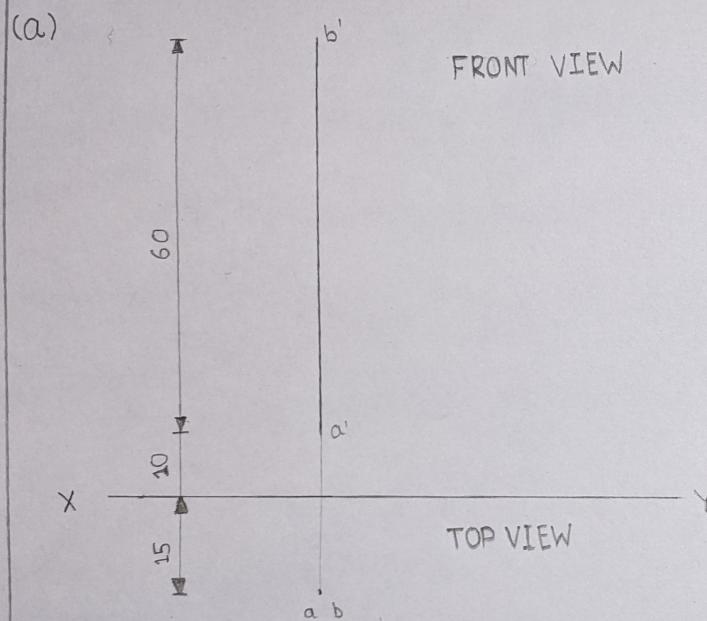
$$\begin{aligned} \text{LENGTH OF SCALE} &= \frac{2}{25} \times 2\text{ m} \\ &= 16\text{ cm} \end{aligned}$$

LEAST COUNT = 0.01

$$\begin{aligned} 1.89\text{ m} &= 1\text{ m} + 0.89\text{ m} \\ &= 1\text{ m} + 89\text{ cm} \\ &= 1\text{ m} + (99-10)\text{ cm} \\ &= 1\text{ m} - 10\text{ cm} + 99\text{ cm} \\ &= 0.9\text{ m} + 99\text{ cm} \\ PQ &= 1.89\text{ m} \end{aligned}$$

ASSIGNMENT #2
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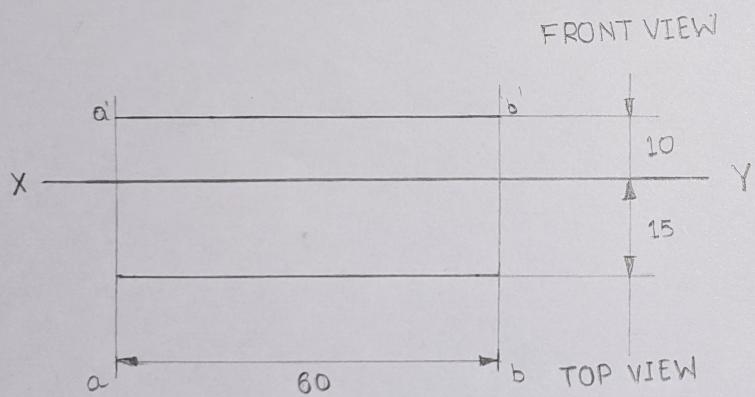
ALL DIMENSIONS ARE IN mm



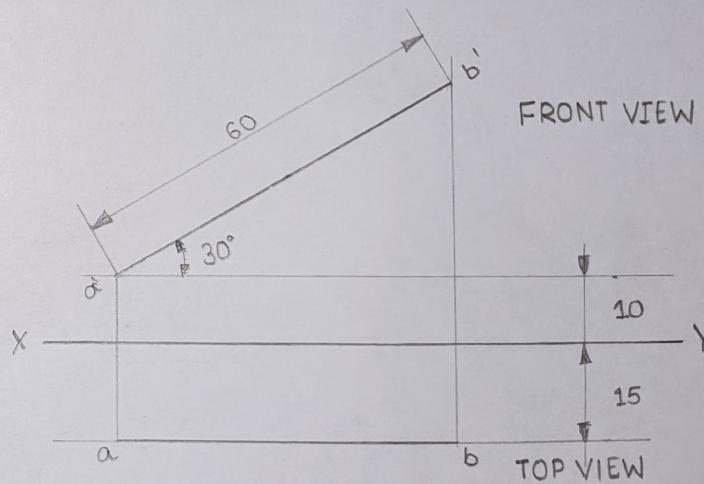
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ALL DIMENSIONS ARE IN : mm

(c)



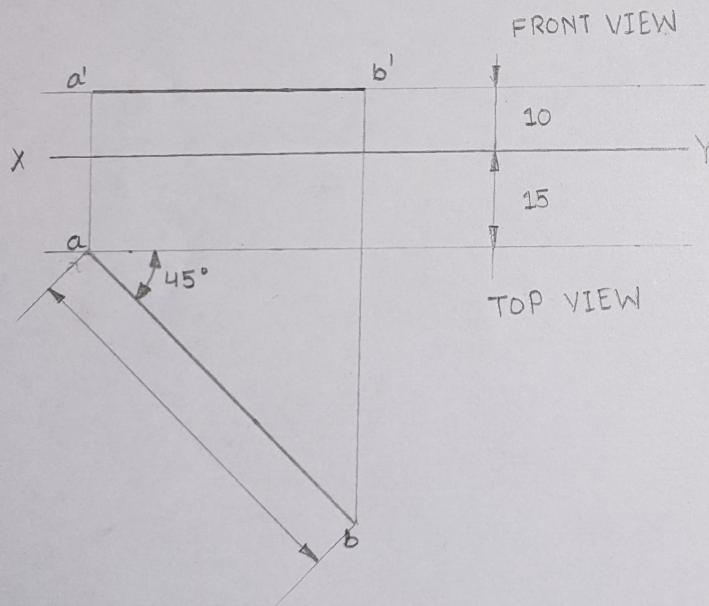
(d)



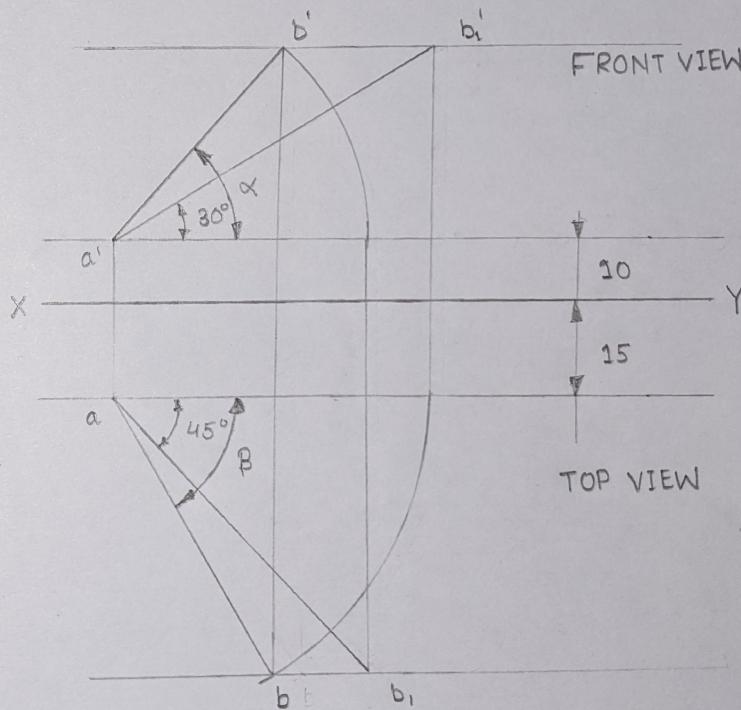
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(e)



(f)



$$a'b_1 = ab_1 = 60$$

$$\alpha = 45^\circ$$

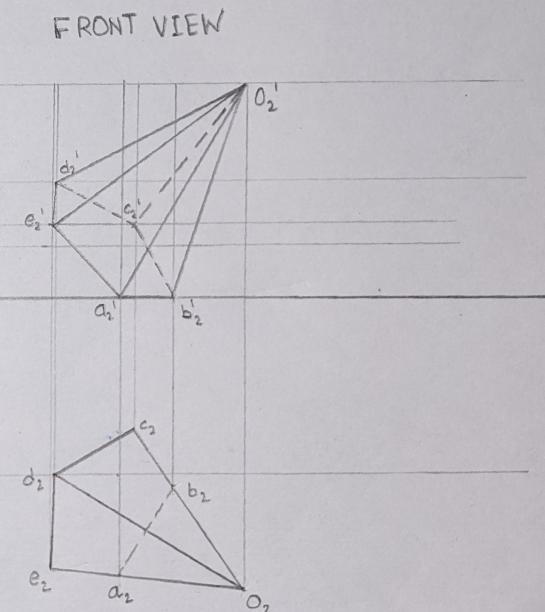
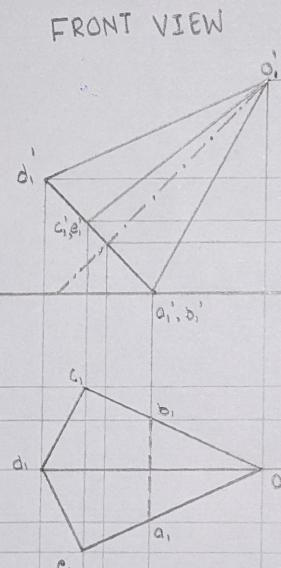
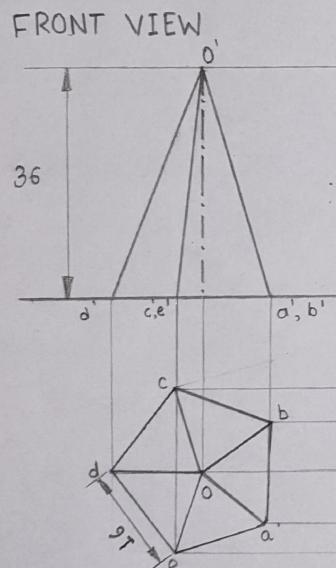
$$\beta = 55^\circ$$

ASSIGNMENT #3

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PROBLEM #2



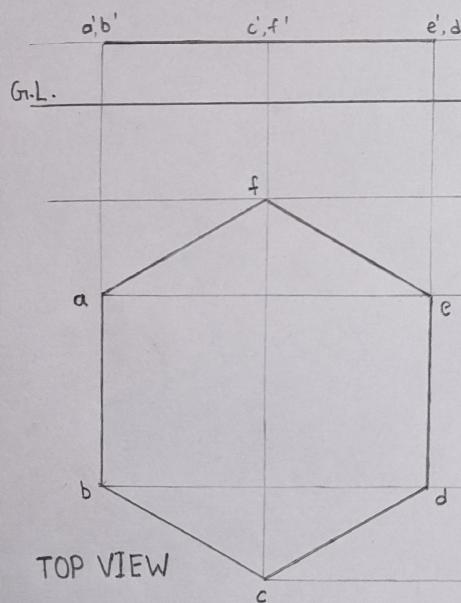
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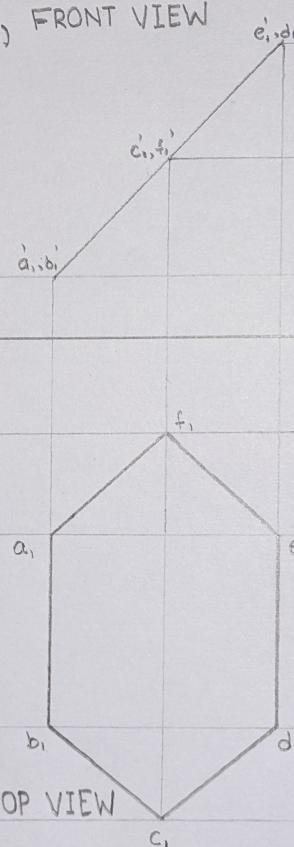
PROBLEM #1

(a)

FRONT VIEW

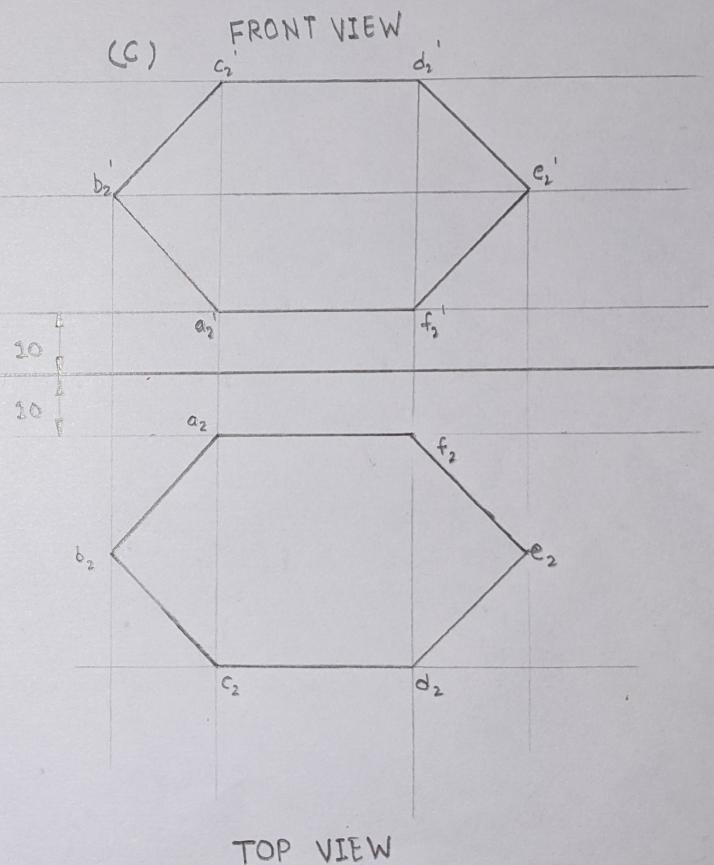


(b) FRONT VIEW



(c)

FRONT VIEW



TOP VIEW

TOP VIEW

ASSIGNMENT #4
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