7 Class Math Tuition Assignment

Assignment – 5

Assigned To = Anshul Pathak , Raghav Pathak

Chapter = Lines and Angles

Submission Date = 05 January 2022 **MM = 20**

Q1. If the complement of an angle is 28^o, then find the supplement of the angle.

Q2. In Fig. 23, OA and OB are opposite rays:

(i) If $x = 25^o$, what is the value of y?

(ii) If $y = 35^o$, what is the value of x?

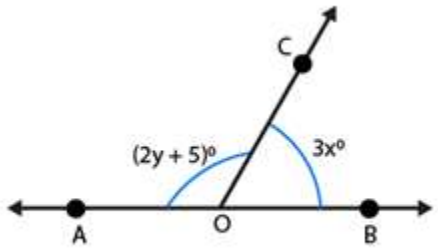

Fig 23

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Q3. In Fig. 25, find ∠x. Further find ∠BOC, ∠COD and ∠AOD.

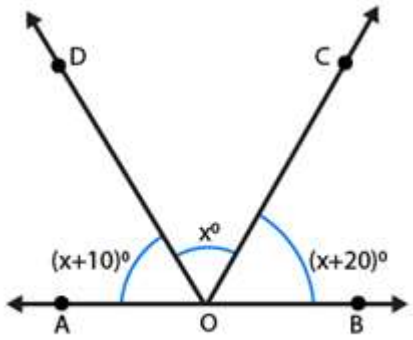
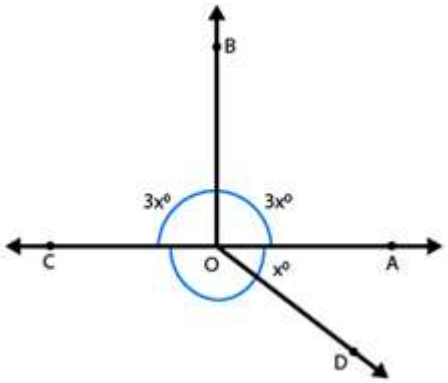


Fig 25

Q4. In Fig. 27, determine the value of x.



Q5. In Fig. 29, POS is a line, find x.

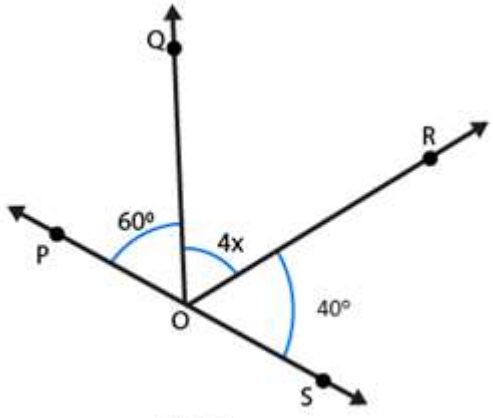


Fig 29

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Q6. In Fig. 30, lines l_1 and l_2 intersect at O, forming angles as shown in the figure. If x = 45°, find the values of y, z and u.

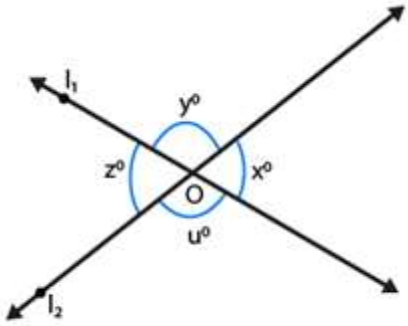

Fig 30

Q7. In Fig. 81, side BC of ΔABC has been produced to D and CE ∥ BA. If ∠ABC = 65°, ∠BAC = 55°, find ∠ACE, ∠ECD, ∠ACD.

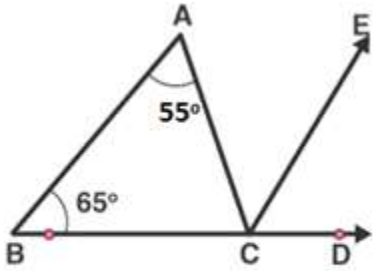

Fig. 81

Q8. In Fig. 83, PQ ∥ RS. Find the value of x.

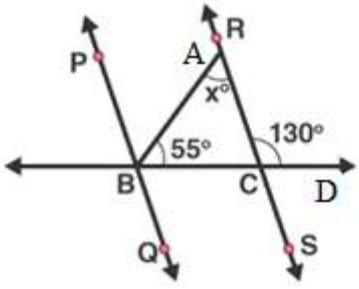

Fig. 83

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Q9. In Fig. 82, line CA ⊥ AB ‖ line CR and line PR ‖ line BD. Find ∠x, ∠y, ∠z.

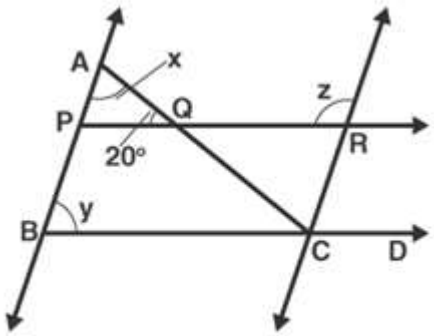

Fig. 82

Q10. In Fig. 85, AB ‖ CD and AC ‖ BD. Find the values of x, y, z.

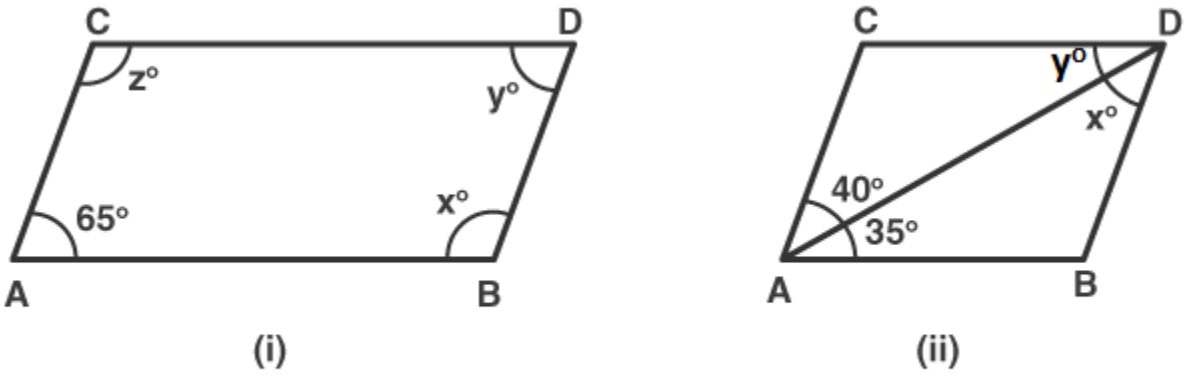

Fig. 85