9 CLASS TEST (LINES AND ANGLES)

Name……..

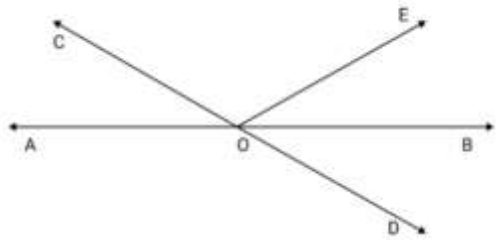
Class…… **MM = 20**

Subject……..

Date……

Note: All Questions are Compulsory .

Q1. **In Fig. lines** AB **and** CD **intersect at** O. **If** ∠AOC+∠BOE=70∘ **and** BOD=40∘**, find** ∠BOE **and reflex** ∠COE.



Q2. **In Fig, the side QR of ΔPQR is produced to a point S. If the bisectors of ∠PQR and ∠PRS meet at point T, then prove that ∠QTR = ½ ∠QPR.**

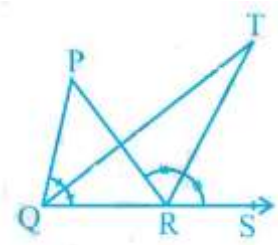


Fig. 6.44

Q3. **In Fig. 6.43, if PQ ⊥ PS, PQ || SR, ∠SQR = 28° and ∠QRT = 65°, then find the values of x and y.**

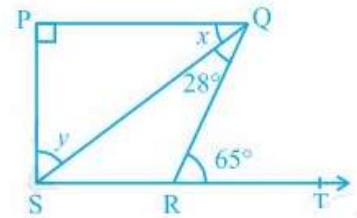


Fig. 6.43

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Q4. In Fig. 6.40, ∠X = 62°, ∠XYZ = 54°. If YO and ZO are the bisectors of ∠XYZ and ∠XZY respectively of Δ XYZ, find ∠OZY and ∠YOZ.

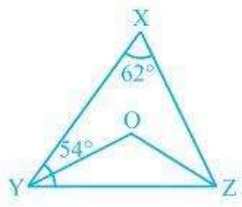

Fig. 6.40

Q5. **It is given that ∠XYZ = 64° and XY is produced to point P. Draw a figure from the given information. If ray YQ bisects ∠ZYP, find ∠XYQ and reflex ∠QYP.**

Verified By

Kishor Kant Tiwari **Digitally Signed**