# BHARATIYA VIDYA BHAVANS PUBLIC SCHOOL

## (VIDYASHRAM ), Jubilee Hills
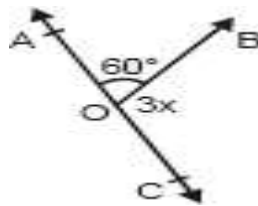
REVISION   WORK SHEET

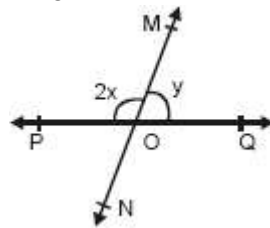**CLASS  :  IX**

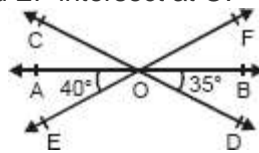**SUB: MATHEMATICS**

**TOPIC: LINES AND ANGLES**

**1)**  In the given figure, AOC is a line, find x.



**2.** In the given figure, $\overline{PQ}$ and $\overline{MN}$ intersect at O. (a) Determine y, when x = 60
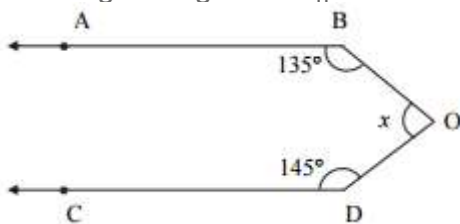(b) Determine x, when y =  40



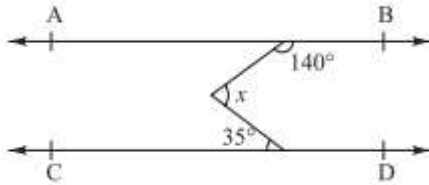**3.** In the given figure, lines AB, CD and EF intersect at O.



Find the measure of ∠AOC, ∠COF.

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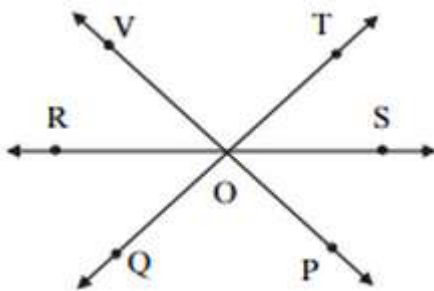4) In the given figure AB || CD. Find the value of x?

5) In the given figure, AB|| CD, the value of x is



6) In the given figure, lines RS, VP and TQ intersect in point O, ∠VOS = 100°, ∠ROT = 122°. Find ∠ROQ?



7) Find the supplement of4/3 of a right angle.

8) State and prove vertically opposite angle theorem.

9) In the following figure AB || CD. Find the measure of ∠B EO and LOBE
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o
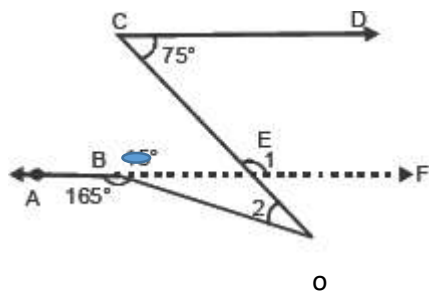
10) Find the measure of an angle which is 26° more than its complement.