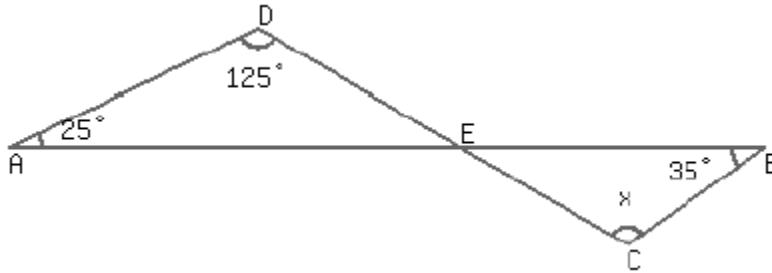


Board – CBSE

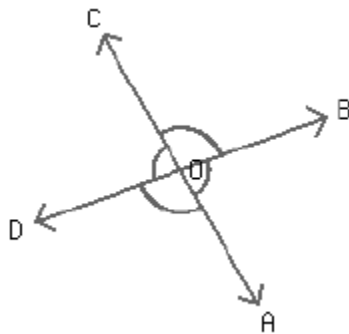
Class – VII

Topic – Lines and angles

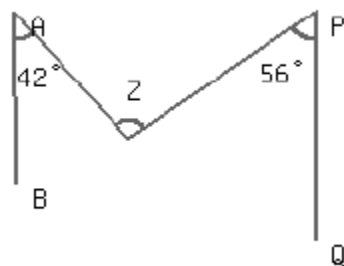
1. ABCD is a quadrilateral whose diagonals intersect each other at point O such that $OA = OB = OD$. If $\angle OAB = 50^\circ$, then find the measures of $\angle ODA$.
2. If lines AB and CD intersect as shown below, find the value of angle x.



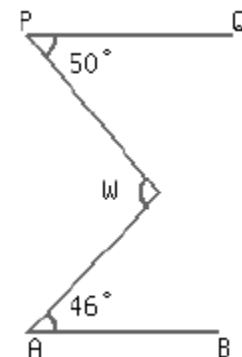
3. If lines AC and BD intersect at point O such that $\angle AOB : \angle BOC = 4:5$, find $\angle COD$.



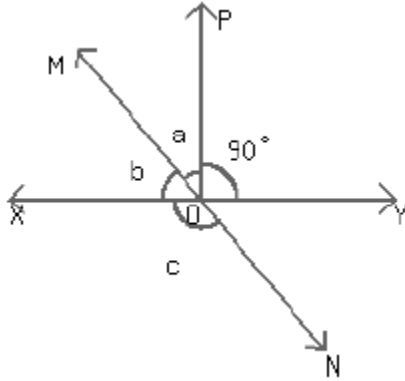
4. If AB and PQ are parallel, compute the measure of angle Z.



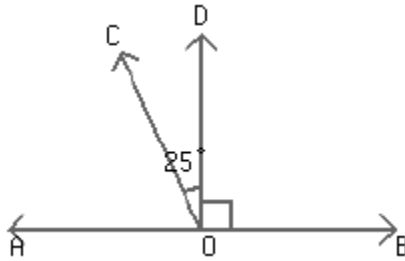
5. If AB and PQ are parallel, compute the measure of $\angle W$.



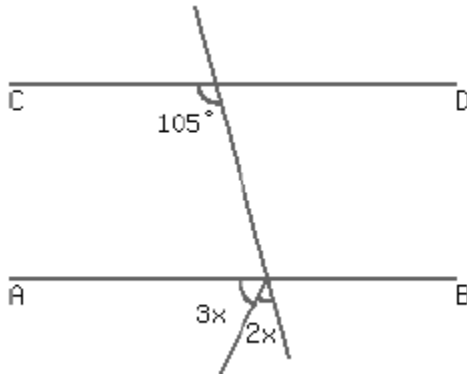
6. If lines XY and MN intersect as shown below and $a:b = 4:5$, find c .



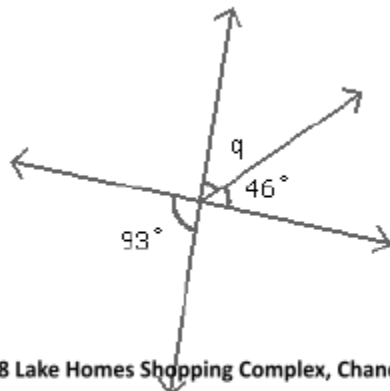
7. If OD is perpendicular to AB , and $\angle DOC = 25^\circ$, find $\angle BOC - \angle AOC$.



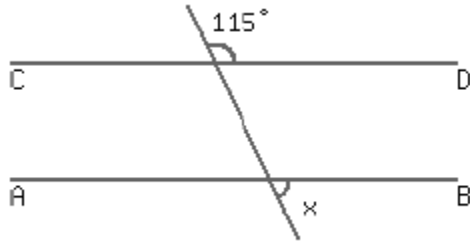
8. If AB and CD are parallel, find the measure of angle x .



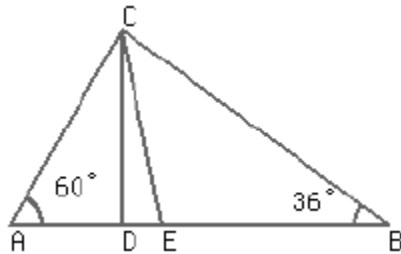
9. Compute the measure of $\angle q$.



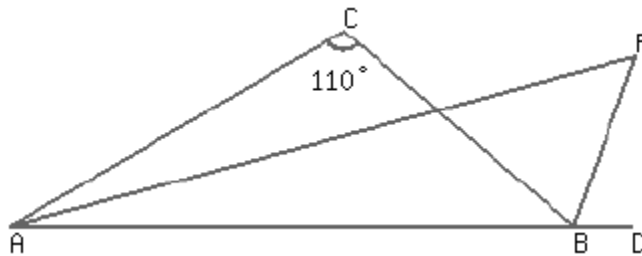
10. If AB and CD are parallel, find the value of $\angle x$.



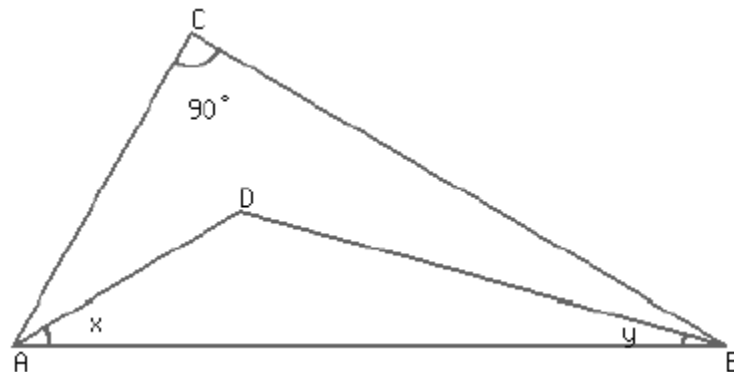
11. If CD is perpendicular to AB and CE bisects angle $\angle ACB$, find $\angle DCE$.



12. AP and BP are bisectors of $\angle CAB$ and $\angle CBD$, respectively. Find $\angle APB$.



13. If AD and BD are bisectors of $\angle CAB$ and $\angle CBA$, respectively. Find the sum of angles x and y.



14. Which of the following is false for a triangle?

- a) Each angle is equal to 60°
- b) One angle is an obtuse angle
- c) Two angles are acute angles
- d) Two angles are right angles