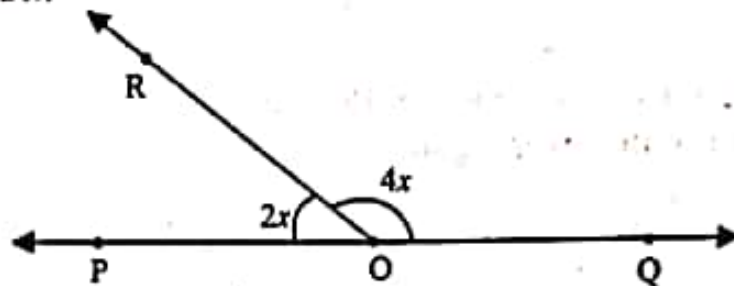
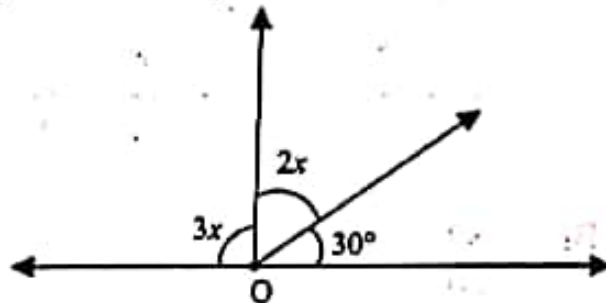


I. Very Short Answer Type Questions

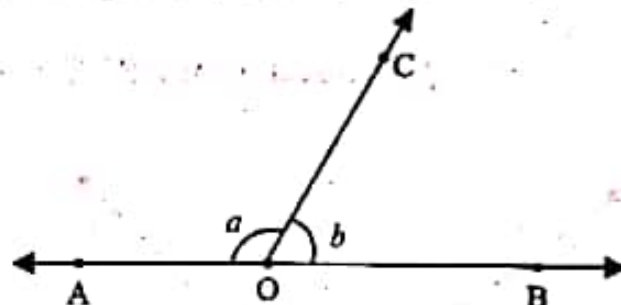
1. Find the measure of the angle which is complement of itself.
2. Find the complement of $(90^\circ - \alpha)$.
3. The complementary angles are in the ratio 2 : 7. Find the measure of them.
4. If the measure of an angle is twice the measure of its supplementary angle, find the angle.
5. Two supplementary angles differ by 34° . Find the angles.
6. The complement of an angle is one-third of its supplement, find the measure of the angle.
7. An angle is equal to the five times of its supplement. Find the measure of the angle.
8. In the given figure, find x .



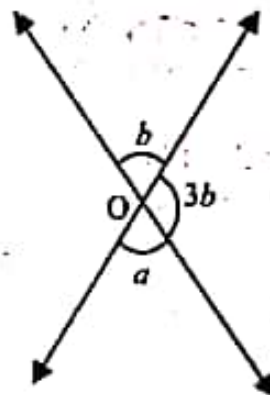
9. Find x , in the given figure.



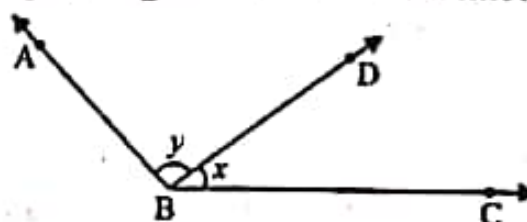
10. In the given figure, AB is a straight line. If $a - b = 30^\circ$, find a and b .



11. Find a in the given figure.

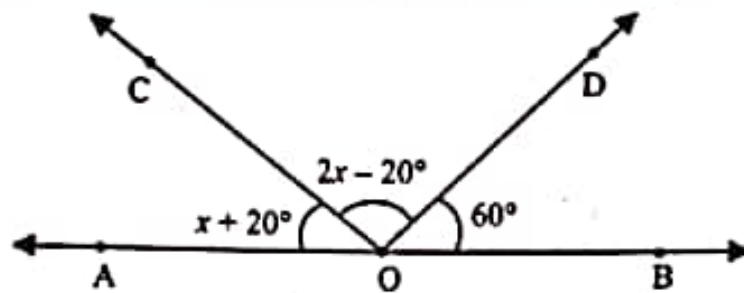


12. For what value of $x + y$ in the given figure will ABC be a line?

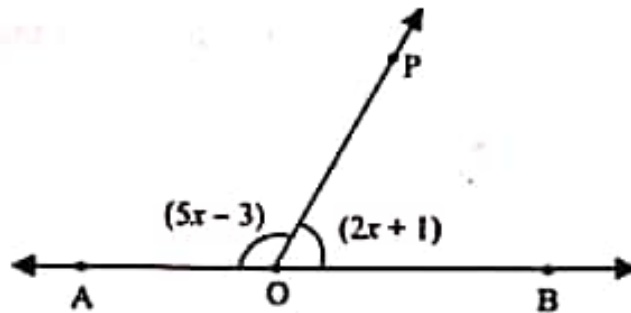


II. Short Answer Type Questions-I

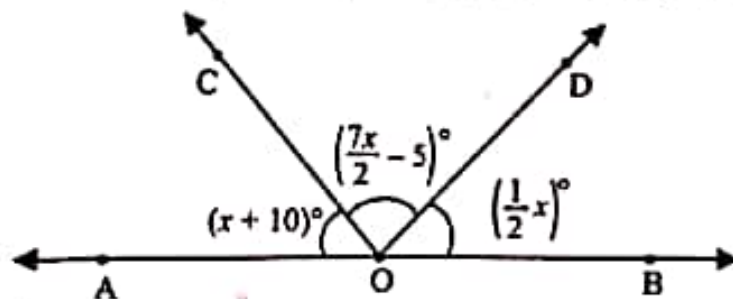
13. In the given figure, AOB is a straight line. Find the measurement of $\angle COD$.



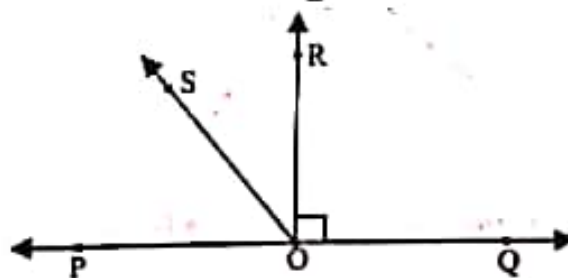
14. In the given figure, find the value of x , if AOB is a line.



15. In the given figure, if AOB is a straight line, find $\angle AOC$, $\angle BOD$ and $\angle BOC$.



16. In the given figure, POQ is a line. Ray OR is perpendicular to line PQ. OS is another ray lying between rays OP and OR. Prove that $\angle ROS = \frac{1}{2} (\angle QOS - \angle POS)$



17. Lines PQ and RS intersect each other at O. If $\angle POR : \angle ROQ = 5 : 7$, find all the angles a , b , c and d .

