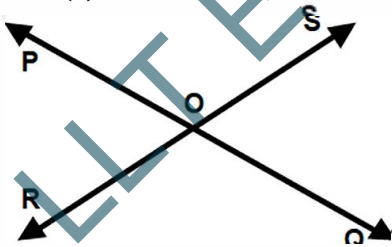
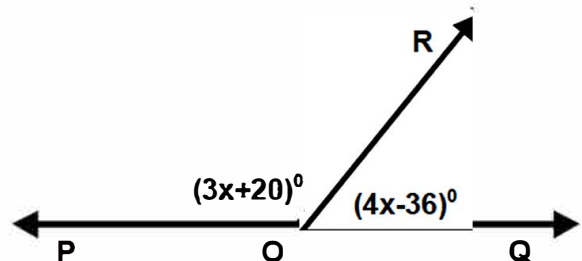


**Exercise A**

- If a ray stands on a line then the sum of the adjacent angles so formed is  
 (a)  $100^{\circ}$  (b)  $180^{\circ}$  (c)  $90^{\circ}$  (d)  $360^{\circ}$
- The sum of all the angles around a point is  
 (a)  $100^{\circ}$  (b)  $180^{\circ}$  (c)  $90^{\circ}$  (d)  $360^{\circ}$
- The sum of all the angles formed on the same side of a line at a given point on the line is  
 (a)  $100^{\circ}$  (b)  $180^{\circ}$  (c)  $90^{\circ}$  (d)  $360^{\circ}$
- The angle which is four times its complement is  
 (a)  $60^{\circ}$  (b)  $30^{\circ}$  (c)  $45^{\circ}$  (d)  $72^{\circ}$
- The angle which is five times its supplement is  
 (a)  $150^{\circ}$  (b)  $180^{\circ}$  (c)  $90^{\circ}$  (d)  $360^{\circ}$
- The measure of an angle which is equal to its complement is  
 (a)  $60^{\circ}$  (b)  $30^{\circ}$  (c)  $45^{\circ}$  (d)  $15^{\circ}$
- The measure of an angle which is equal to its supplement is  
 (a)  $100^{\circ}$  (b)  $75^{\circ}$  (c)  $90^{\circ}$  (d)  $60^{\circ}$
- If two parallel lines are intersected by a transversal, then the bisectors of the two pairs of interior angles enclose  
 (a) a square (b) a rectangle (c) a parallelogram (d) a trapezium
- Two adjacent angles on a straight line are in the ratio 5 : 4. then the measure of each one of these angles are  
 (a)  $100^{\circ}$  and  $80^{\circ}$  (b)  $75^{\circ}$  and  $105^{\circ}$  (c)  $90^{\circ}$  and  $90^{\circ}$  (d)  $60^{\circ}$  and  $120^{\circ}$
- Two lines PQ and RS intersect at O. If  $\angle POR = 50^{\circ}$ , then value of  $\angle ROQ$  is  
 (a)  $120^{\circ}$  (b)  $130^{\circ}$  (c)  $90^{\circ}$  (d)  $150^{\circ}$



- In the adjoining figure the value of x is  
 (a)  $25^{\circ}$  (b)  $28^{\circ}$  (c)  $30^{\circ}$  (d)  $60^{\circ}$



- If two straight lines intersect each other in such a way that one of the angles so formed measure  $90^{\circ}$ , then each of the remaining angles measures is  
 (a)  $50^{\circ}$  (b)  $75^{\circ}$  (c)  $90^{\circ}$  (d)  $60^{\circ}$