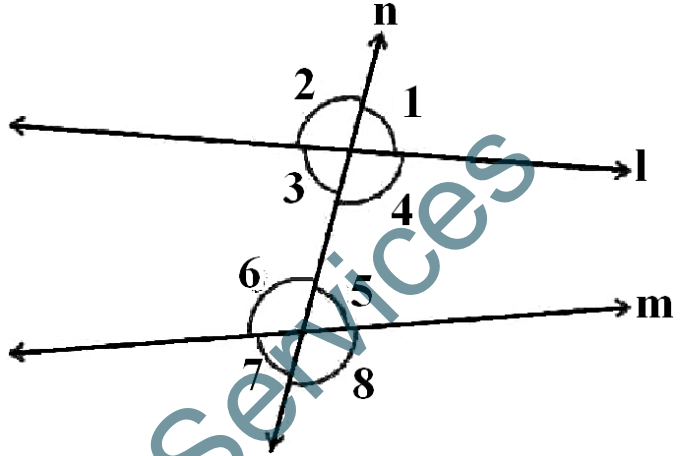
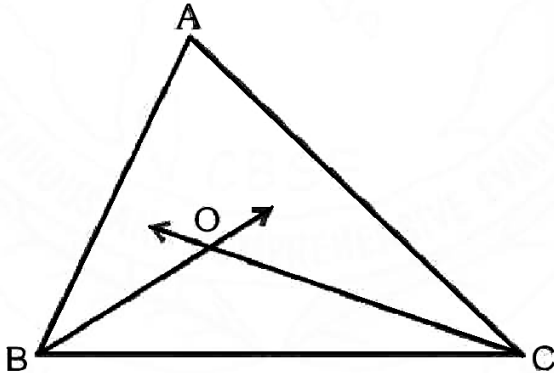
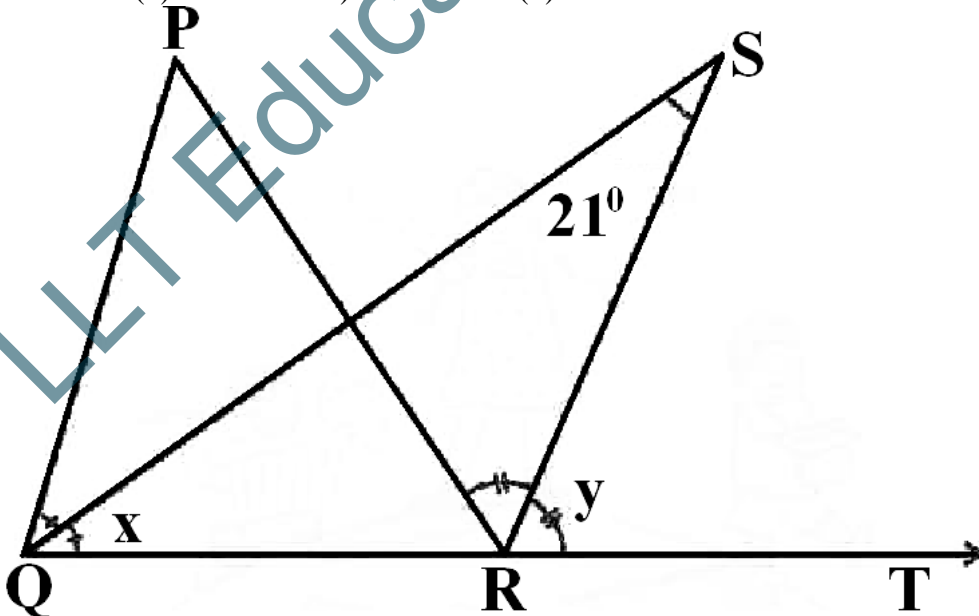


Exercise D

- What is the common between the three angles of a triangle and a linear pair
 (a) angles are equal (b) in both cases sum of angle is 180° .
 (c) In triangle there are three angles and in linear pair there are two angles (d) none of these.
- In the given below left figure, the bisectors of $\angle ABC$ and $\angle BCA$, intersect each other at point O. If $\angle BOC = 100^\circ$, the $\angle A$ is
 (a) 30° (b) 20° (c) 40° (d) 50°

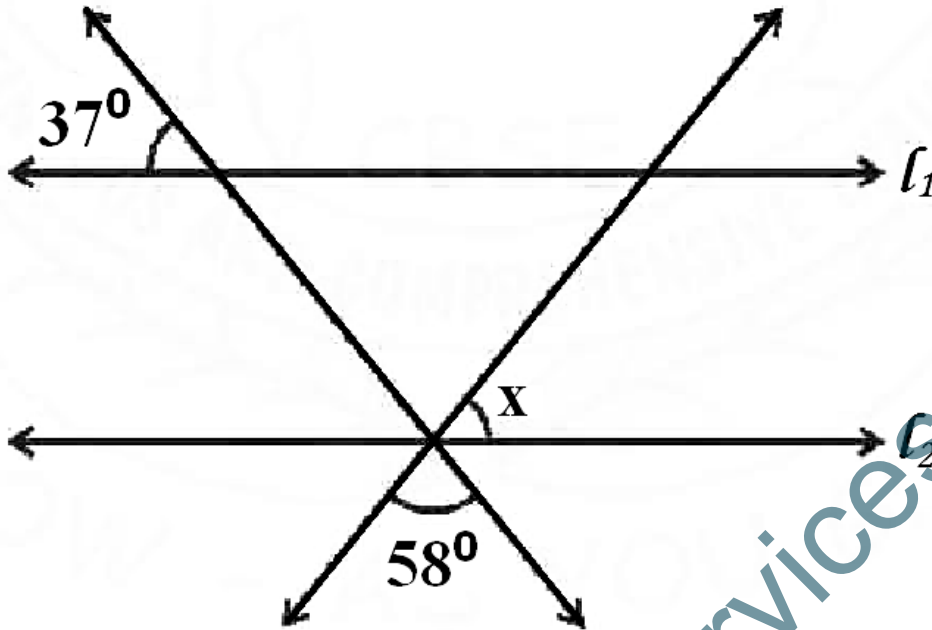


- In the given above right sided figure, $\angle 2$ and $\angle 8$ are known as
 (a) exterior angles (b) exterior angles on the same side of transversal.
 (c) alternate angles (d) alternate exterior angles.
- In the given figure, measure of $\angle QPR$ is
 (a) 10.5° (b) 42° (c) 111° (d) 50°



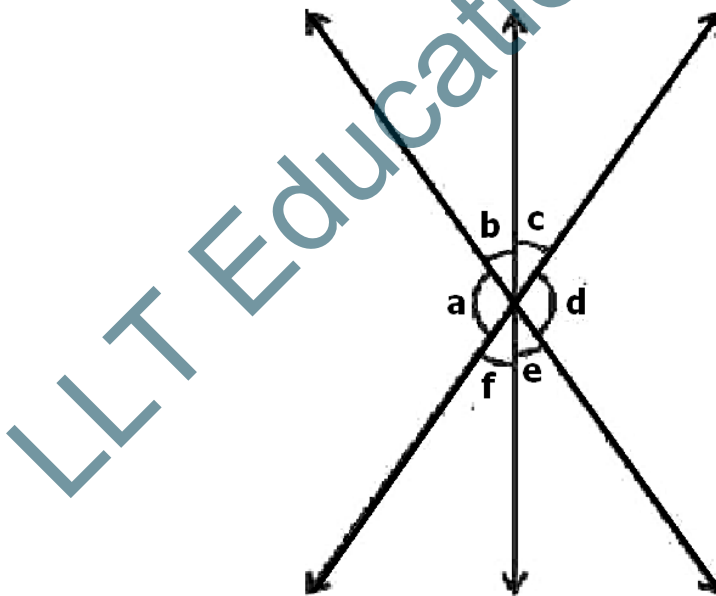
- An angle is 200 more than three times the given angle. If the two angles are supplementary the angles are
 (a) 20° and 160° (b) 40° and 140° (c) 60° and 120° (d) 70° and 110°

6. In figure, if $l_1 \parallel l_2$, what is the value of x
 (a) 90° (b) 85° (c) 75° (d) 70°



7. If a wheel has six spokes equally spaced, then the measure of the angle between two adjacent spokes is
 (a) 90° (b) 30° (c) 60° (d) 180°

8. In figure, which of the following statements must be true?
 (i) $a + b = d + c$ (ii) $a + c + e = 180^\circ$ (iii) $b + f = c + e$
 (a) (i) only (b) (ii) only (c) (iii) only (d) (ii) and (iii) both



9. The angle which is two times its complement is
 (a) 60° (b) 30° (c) 45° (d) 72°
10. The angle which is two times its supplement is
 (a) 150° (b) 60° (c) 90° (d) 120°