

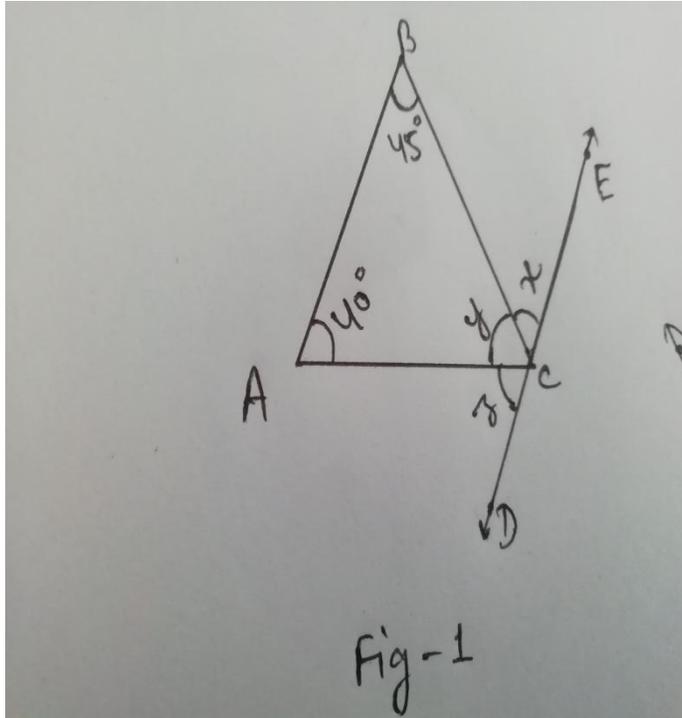
Class 9 - Maths
Lines and Angles – Quiz -3
(1 Mark Questions)

1. Find the angle which equals to its complement ?
 - (a) 40°
 - (b) 45°
 - (c) 55°
 - (d) 60°

2. If $\angle S$ and 110° form a linear pair. What is the measure of $\angle S$
 - (a) 70°
 - (b) 60°
 - (c) 90°
 - (d) 80°

3. In a right angled triangle where angle $A = 90^\circ$ and $AB = AC$. What are the values of angle B.
 - (a) 45°
 - (b) 35°
 - (c) 55°
 - (d) 85°

4. In figure-1, to find the value of x and y, which property of lines and angles are used ?



- (a) Alternate Exterior Angle and Angle sum property of triangle
- (b) Alternate Interior Angle and Angle sum Property of triangle
- (c) Alternate Interior Angle and External angle property of triangle
- (d) None of these

5. What is the measure of an angle whose measure is 32° less than its supplement?

- (a) 148°
- (b) 60°
- (c) 74°
- (d) 55°

6. The angles of a triangle in the ratio of 2:3:4. Find the measure of all angles

- (a) $30^\circ, 60^\circ, 90^\circ$
- (b) $40^\circ, 60^\circ, 80^\circ$
- (c) $50^\circ, 60^\circ, 90^\circ$
- (d) $70^\circ, 80^\circ, 90^\circ$

7. An exterior angle of a triangle is 120° and its interior opposite angles are equal, and then the triangle is ?

- (a) Scalene triangle
- (b) Isosceles triangle
- (c) Equilateral triangle
- (d) None of these

8. What is common between triangle and linear pair of angles.

- (a) They both are closed figure
- (b) Their angles sum is 180°
- (c) They both are polygon
- (d) None of these

9. Alternate Exterior angles are –

- (a) Their sum is 180°
- (b) They are equal
- (c) Their sum is 90°
- (d) None of these

10. Vertically opposite angles are –

- (a) Their sum is 180°
- (b) They are equal
- (c) Their sum is 90°
- (d) None of these

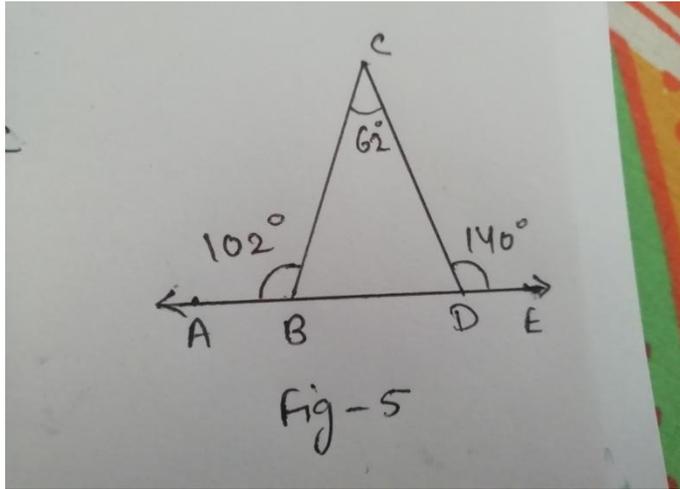
8. In the figure-4 , Is $\triangle ABC$ possible ?

- (a) Yes
- (b) No

Ans (b) No

9. In the figure-5, What will be $\angle CDB$ and $\angle CBD$?

- (a) 40° , 78°
- (b) 50° , 68°
- (c) 30° , 88°
- (d) None of these



Ans (a) 40° , 78°

10. In the figure-6 What will be the value of x ?

- (a) 100°
- (b) 47°
- (c) 49°
- (d) 51°

Ans (d) 51°