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Advanced Executive Program in Cyber Law, Program in IT Law

Class 6 Mathematics Chapter 4

Exercise 4.6

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\* नियमित कक्षाये

**Question 1:** From the figure, identify:

- (a) The centre of circle. (b) Three radii. (c) A diameter. (d) A chord. (e) Two points in the interior.  
(f) A point in the exterior. (g) A sector. (h) A segment.

Answer: (a) O is the centre. (b) Three radii: OA, OB and OC (c) A diameter: AC

(d) A chord: ED (e) Interior points: O, P (f) Exterior point: Q (g) A sector: OAB (h) A segment: ED

**Question 2:** (a) Is every diameter of a circle also a chord?

(b) Is every chord of a circle also a diameter?

Answer: (a) Yes, every diameter of a circle is also a chord.

(b) No, every chord of a circle is not a diameter.

**Question 3:** Draw any circle and mark: (a) Its centre. (b) A radius. (c) A diameter. (d) A sector.

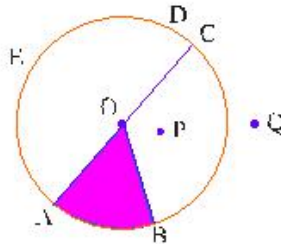
Answer :

(a) Its centre is O.

(b) A radius is OB.

(c) A diameter is AC.

(d) A sector OAB.



**Question 4:** Say true or false:

(a) Two diameters of a circle will necessarily intersect. [True]

(b) The centre of a circle is always in its interior. [True]