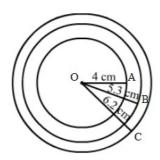
Circles

Q1

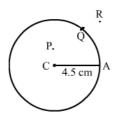
Answer:



This is the required diagram as asked in the question.

Q2

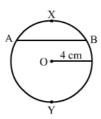
Answer:



This is the required diagram as asked in the question.

Q3

Answer:



This is the required diagram as asked in the question.

Q4

Answer:

(i) False

Diameter of a circle is a chord of the circle, not radius.

(ii) True

It is the longest chord of the circle.

(iii) False

A perpendicular drawn from the centre of the circle to the chord, bisects the chord.

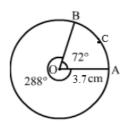
(iv) False

It is a line passing through the circle that intersects the circle at two points.

(v) True.

Q5

Answer:



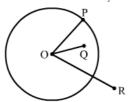
Therefore, the required arc is arc OACB.

Q6

Answer:

- (i) >
- (ii) <
- (iii) >
- (iv) >

This is because the major arc covers more than half of the circumference of the circle.



Q7

Answer:

- (i) passes through
- (ii) on the circle, at the centre of the circle
- (iii) chord
- (iv) arc
- (v) sector