

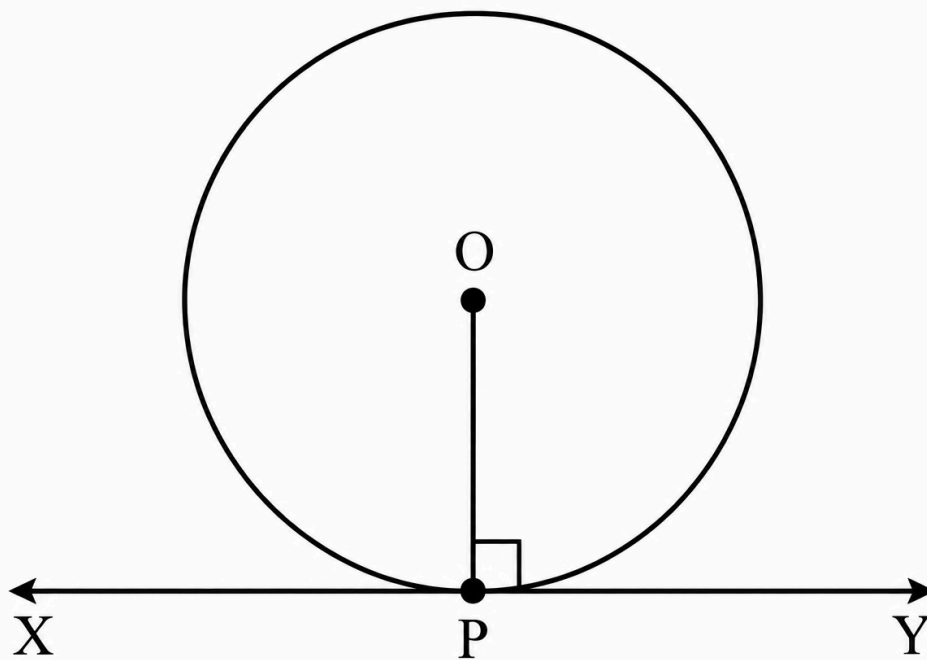
Class 10 Mathematics - Circles

Name: _____

Date: _____

Medium Worksheet 1

Diagram for Questions 1–4



Questions

1. In the figure, if $OP = 7$ cm, what is the angle between OP and XY ?
2. State the theorem illustrated by the figure.

3. If the radius of the circle is 9 cm, what is the distance from O to P?
4. How many tangents can be drawn at point P?
5. Define a point of contact.
6. Define a tangent to a circle.

Answer Key

1. 90°
2. The tangent at any point of a circle is perpendicular to the radius through the point of contact.
3. 9 cm
4. One
5. The common point of the tangent and the circle.
6. A line that touches the circle at exactly one point.