

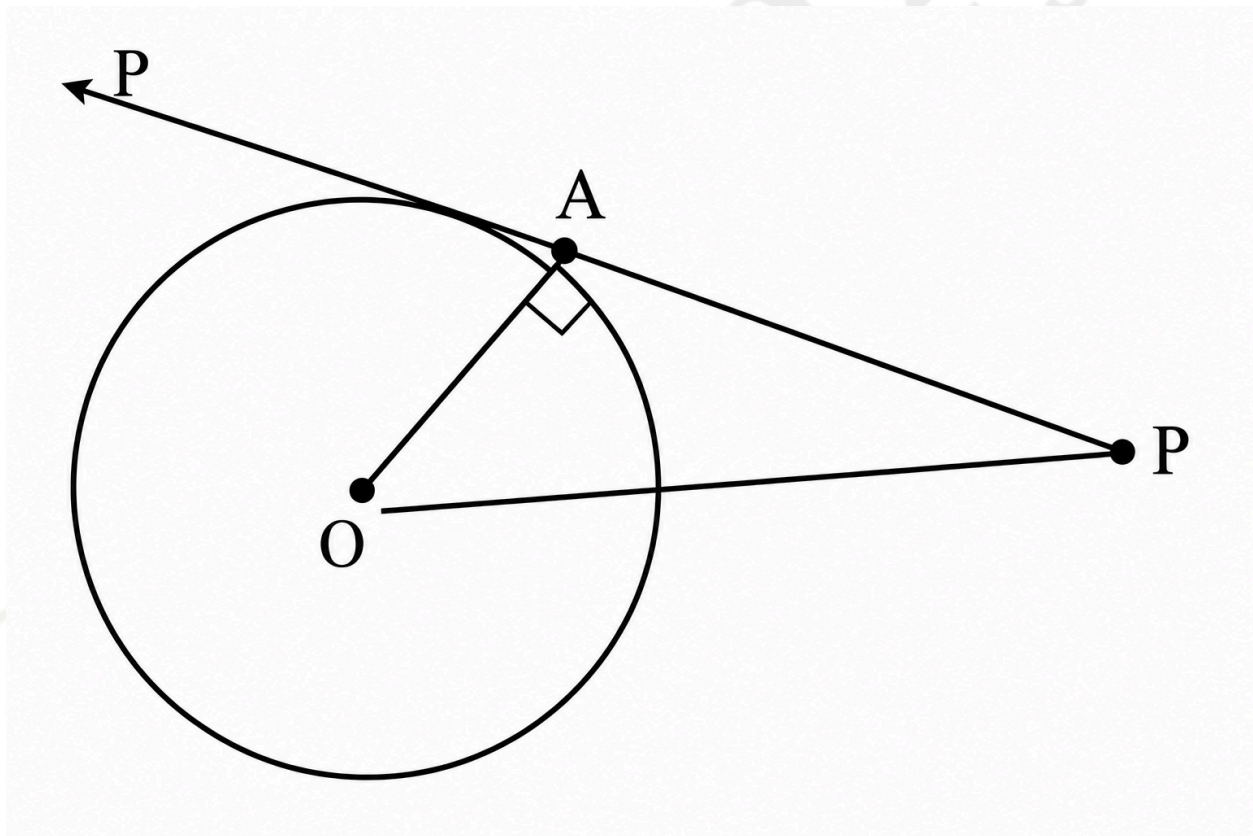
Class 10 Mathematics - Circles

Name: _____

Date: _____

Medium Worksheet 4

Diagram for Questions 1–4



Questions

1. If $OP = 13$ cm and $OA = 5$ cm, find PA .
2. If $OP = 10$ cm and $OA = 6$ cm, find PA .

3. If $OP = 17$ cm and $OA = 8$ cm, find PA .
4. Which theorem is used to solve the above questions?
5. Why is $\triangle OAP$ a right triangle?
6. What is the angle between OA and PA ?

Answer Key

1. 12 cm
2. 8 cm
3. 15 cm
4. Pythagoras Theorem
5. Radius is perpendicular to the tangent at the point of contact.
6. 90°