

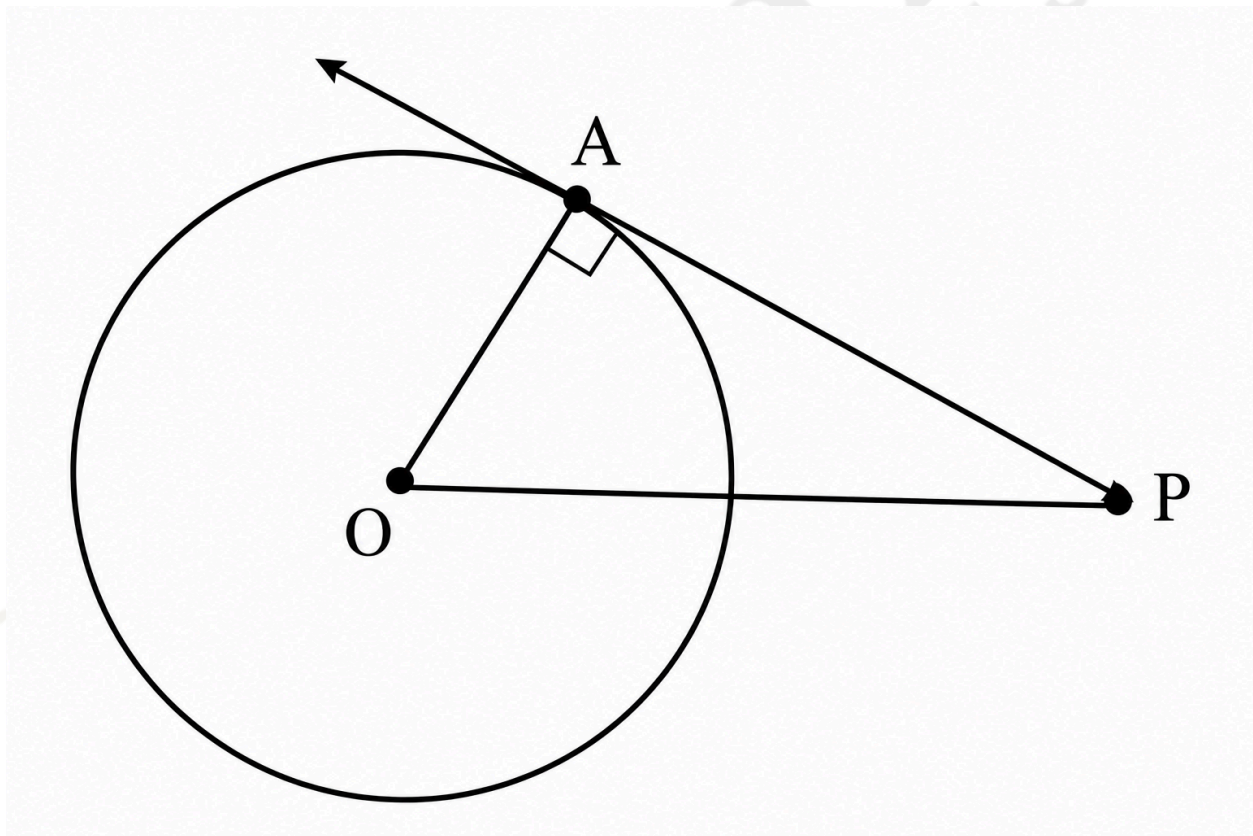
Class 10 Mathematics - Circles

Name: _____

Date: _____

Advanced Worksheet 3

Diagram for Questions 1 - 4



Questions

1. If $OP = 25$ cm and $OA = 7$ cm, find PA .
2. If $OP = 17$ cm and $OA = 8$ cm, find PA .

3. If $OP = 13$ cm and $OA = 5$ cm, find PA.
4. If $OP = 26$ cm and radius = 10 cm, find the length of the tangent.
5. Which theorem is used to solve Questions 1–4?
6. Why is $\angle OAP = 90^\circ$?

Answer Key

1. 24 cm
2. 15 cm
3. 12 cm
4. 24 cm
5. Pythagoras Theorem
6. Radius is perpendicular to the tangent at the point of contact.