

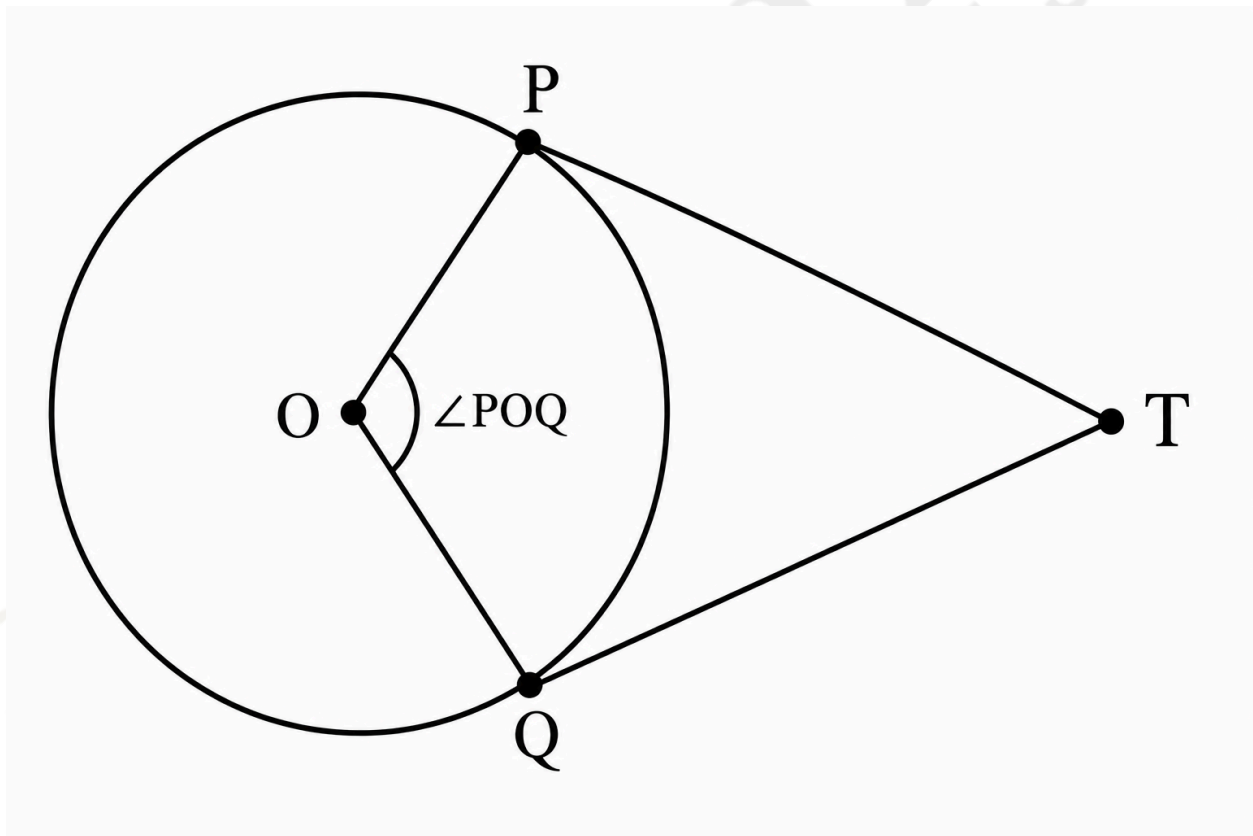
Class 10 Mathematics - Circles

Name: _____

Date: _____

Advanced Worksheet 4

Diagram for Questions 1 - 4



Questions

1. In the figure, if $\angle POQ = 120^\circ$, find $\angle PTQ$.
2. If $TP = 12$ cm and $TQ = 3x$ cm, find x .

3. If $TP = 4x + 2$ and $TQ = 6x - 8$, find x .
4. If $\angle PTQ = 80^\circ$, find $\angle POQ$.
5. The centre O lies on the bisector of which angle?
6. If $TP = TQ$, what type of triangle is $\triangle TPQ$?

Answer Key

1. 60°
2. $x = 4$
3. $x = 5$
4. 100°
5. $\angle PTQ$
6. Isosceles Triangle