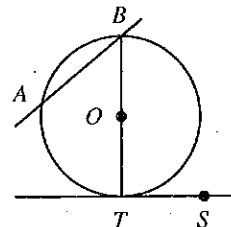


Basic Terms; Tangents

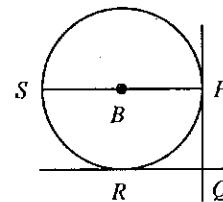
For use after Section 9-2

Exercises 1-6 refer to $\odot O$. Name each of the following.

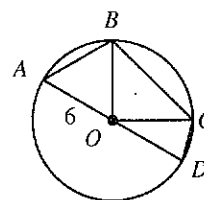
- Two radii _____
- A diameter _____
- A secant _____
- A tangent _____
- Two chords _____
- A point of tangency _____

Exercises 7-11 refer to $\odot B$ with radius BP . Complete.

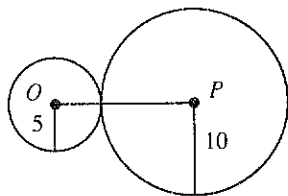
- If $BP = 4$, then $SP =$ _____.
- If $SP = 16n$, then $BP =$ _____.
- If \overleftrightarrow{PQ} is tangent to $\odot B$, then $m\angle BPQ =$ _____.
- If \overleftrightarrow{PQ} and \overleftrightarrow{RQ} are tangent to $\odot B$, then _____ \cong _____.
- If \overleftrightarrow{RQ} is tangent to $\odot B$, then \overline{BR} would be _____ to \overleftrightarrow{RQ} .

Exercises 12-14 refer to $\odot O$.

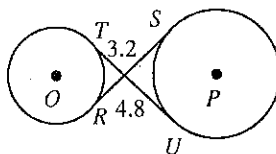
- If $m\angle AOB = 60$, then $AB =$ _____.
- If $m\angle BOC = 90$, then $BC =$ _____.
- Name an inscribed polygon in the figure. _____

In Exercises 15-17, O and P are the centers of the circles.In Exercise 16, \overleftrightarrow{RS} and \overleftrightarrow{TU} are tangent to both circles and \overleftrightarrow{RS} divides \overleftrightarrow{TU} into segments whose lengths are shown.

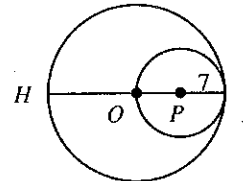
15.

 $OP =$ _____

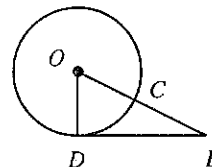
16.

 $RS =$ _____

17.

 $HI =$ _____In the diagram for Exercises 18-20, \overline{ED} is tangent to $\odot O$.

- If $DE = 12$ and $DO = 9$, then $OE =$ _____.
- If $m\angle DOE = 60$ and $OD = 9$, then $OE =$ _____.
- If $DO = 5$ and $CE = 8$, then $DE =$ _____.



Exs. 18-20