

Vocab - Use Diagram A at right for #1-7,

1. Name 3 chords
2. Name 3 central angles
3. Name a diameter
4. Name 3 radii
5. Name 2 inscribed angles
6. Name 2 minor arcs
7. Name 2 major arcs

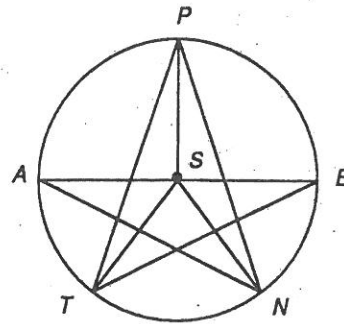


Diagram A

#8-10, Use Diagram B at right.

8. Name 2 tangents
9. Name 2 secants
10. Name 2 chords
11. Name the arc intercepted by $\angle AOK$

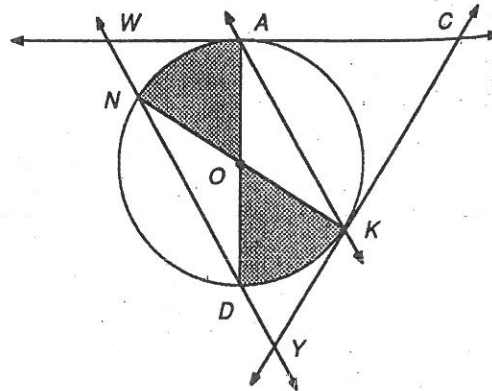
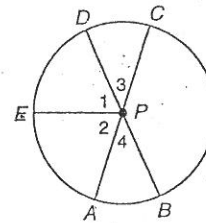


Diagram B

11.2

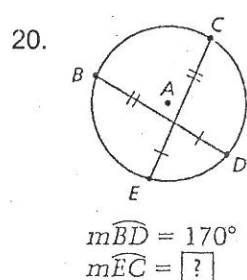
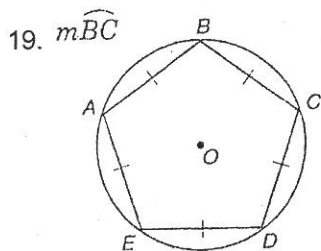
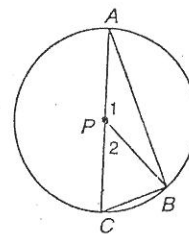
#12-14, In $\odot P$, $m\angle 2 = m\angle 1$, $m\angle 2 = 4x + 35$, $m\angle 1 = 9x + 5$ with diameters \overline{BD} and \overline{AC} . Find each of the following.

12. x 13. $m\widehat{AE}$ 14. $m\widehat{CEA}$



#15-18, $\odot P$, $m\angle 1 = 140$ with diameter \overline{AC} . Find each measure.

15. $m\angle 2$ 16. $m\widehat{BC}$
 17. $m\widehat{AB}$ 18. $m\widehat{ABC}$



21. Suppose a radius of a circle is 17 units and a chord is 30 units long. Find the distance from the center of the circle to the chord.