

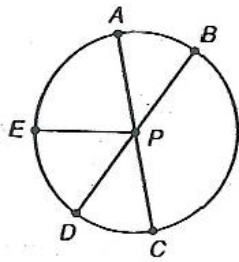
Geometry
Homework

Name: _____

Central Angles and Arcs

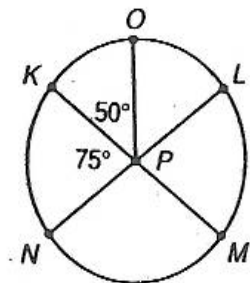
Date: _____ Period: _____

Determine whether the arc is a major arc, minor arc or semicircle. \overline{AC} and \overline{BD} are diameters.



- | | | | |
|-------------------|--------------------|--------------------|-------------------|
| 1. \widehat{AE} | 2. \widehat{ABE} | 3. \widehat{BCD} | 4. \widehat{EC} |
| 5. \widehat{AD} | 6. \widehat{BE} | 7. \widehat{BCE} | 8. \widehat{DC} |

\overline{KM} and \overline{LN} are diameters. Find the indicated measures.



- | | | | |
|---------------------|----------------------|----------------------|----------------------|
| 9. $m\widehat{OL}$ | 10. $m\angle OPM$ | 11. $m\widehat{NOL}$ | 12. $m\widehat{KNM}$ |
| 13. $m\angle NPO$ | 14. $m\widehat{ONM}$ | 15. $m\angle OPK$ | 16. $m\widehat{OMK}$ |
| 17. $m\widehat{OM}$ | 18. $m\widehat{KL}$ | 19. $m\widehat{KML}$ | 20. $m\angle NPM$ |

The top five recording artists with the most number one singles on the Billboard Rhythm and Blues Chart since 1965 (as of November 1993) are: Aretha Franklin with 20, Stevie Wonder with 18, James Brown with 16, The Temptations with 14, and Marvin Gaye with 13.

21. Find the percent of hits out of the top five for each recording artist. Round to one decimal point.

22. Determine the arc measure for each artist and construct a circle graph.

Geometry
Homework

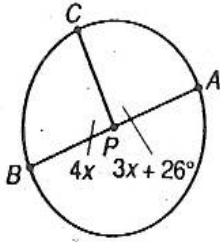
Central Angles and Arcs

Find the value of x . Then find the arc measures.

Name: _____

Date: _____ Period: _____

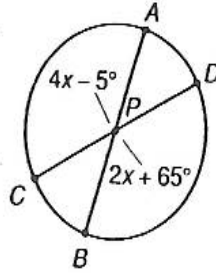
23.



$m\widehat{BC}$

$m\widehat{AC}$

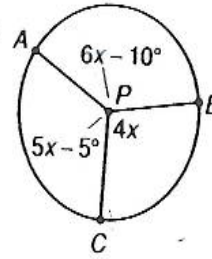
24.



$m\widehat{AC}$

$m\widehat{BD}$

25.

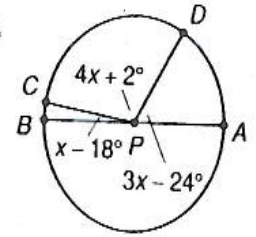


$m\widehat{AB}$

$m\widehat{BC}$

$m\widehat{AC}$

26.



$m\widehat{AD}$

$m\widehat{DC}$

$m\widehat{BC}$

$m\widehat{AC}$