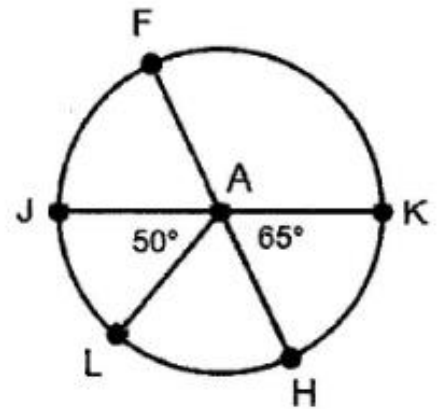


Ready

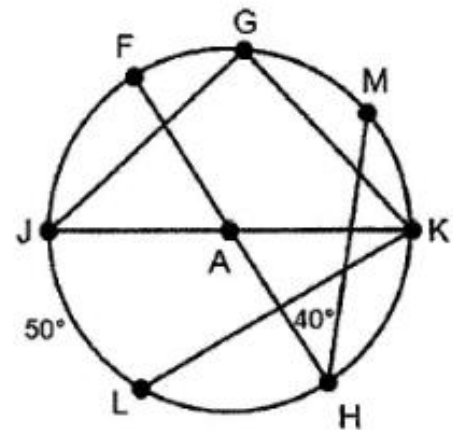
1. \overline{FH} and \overline{JK} are diameters. Find the measure of each angle or arc.

- | | |
|--------------------|--------------------|
| a. $m\angle FAJ$ | b. $m\angle LAH$ |
| c. $m\angle KAF$ | d. $m\widehat{L}$ |
| e. $m\widehat{LH}$ | f. $m\widehat{HK}$ |
| g. $m\widehat{KF}$ | h. $m\widehat{JF}$ |
| i. $m\widehat{JH}$ | j. $m\widehat{HF}$ |



2. \overline{FH} and \overline{JK} are diameters, $m\angle FHM = 40^\circ$, $m\angle GJK$, $m\angle JKG = 45^\circ$, $m\angle FAJ$, $m\angle KAH = 45^\circ$, and $m\widehat{L} = 50^\circ$. Find the measure of each angle or arc.

- | | |
|--------------------|--------------------|
| a. $m\widehat{JF}$ | b. $m\widehat{LH}$ |
| c. $m\angle JKL$ | d. $m\widehat{FM}$ |
| e. $m\angle HAK$ | f. $m\widehat{HK}$ |
| g. $m\widehat{KF}$ | h. $m\widehat{KH}$ |
| i. $m\widehat{GK}$ | j. $m\widehat{MK}$ |



Set

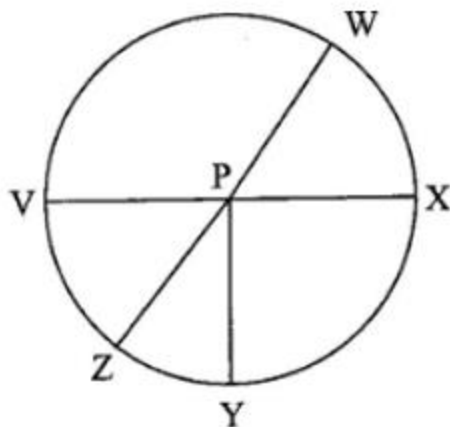
True or False.

- An angle inscribed in a circle with endpoints on the diameter has a measure of 90° . _____
- Two inscribed angles that intercept the same arc are complementary. _____
- The sides of an inscribed angle are chords. _____
- The measure of the central angle is double its intercepted arc. _____
- The measure of an inscribed angle is half the measure of its intercepted arc. _____

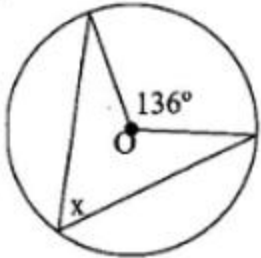
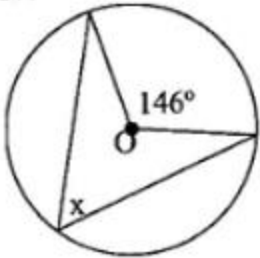
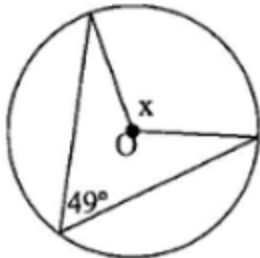
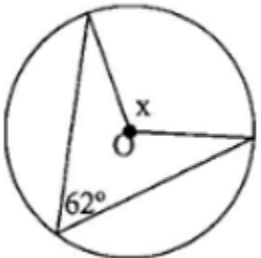
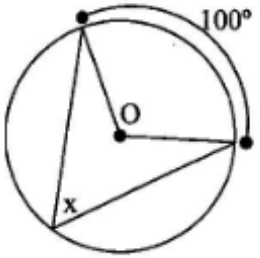
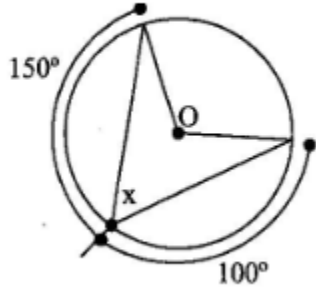
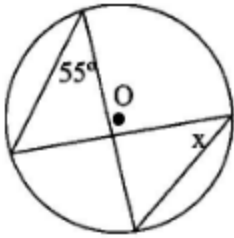
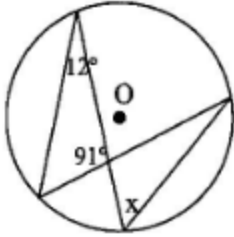
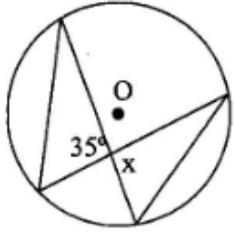
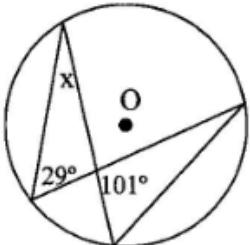
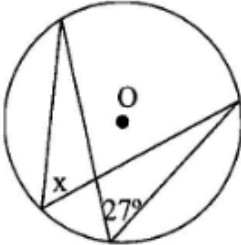
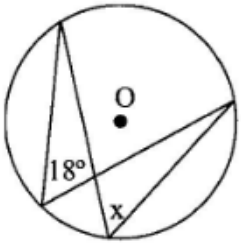
Go!

Find each measure in $\odot P$ if $m\angle WPX = 28^\circ$, $m\angle ZPY = 38^\circ$, and \overline{WZ} and \overline{XV} are diameters.

- | | |
|--------------------|---------------------|
| 8. \widehat{YZ} | 12. $\angle XPY$ |
| 9. \widehat{YZ} | 13. \widehat{XY} |
| 10. $\angle VPZ$ | 14. \widehat{WY} |
| 11. \widehat{WX} | 15. \widehat{WZX} |



In each of the following figures, O is the center of the circle. Calculate the values of x and justify your answer.

- | | | |
|---|---|---|
| 16.  | 17.  | 18.  |
| 19.  | 20.  | 21.  |
| 22.  | 23.  | 24.  |
| 25.  | 26.  | 27.  |