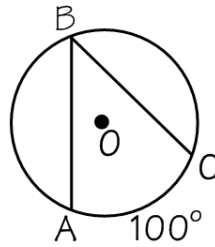


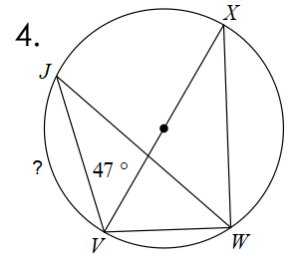
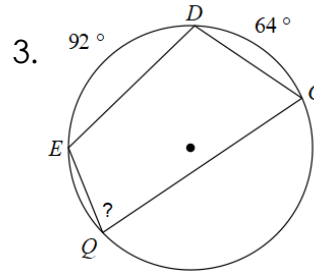
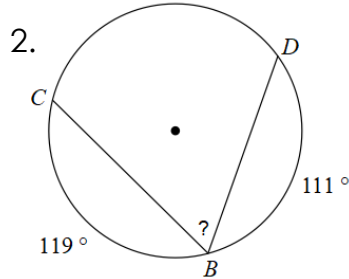
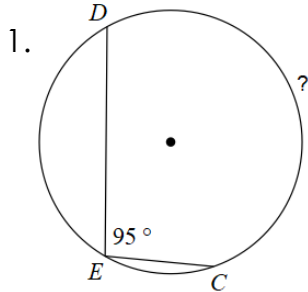
Inscribed Angles

An **inscribed angle** is an angle with its vertex "on" the circle, formed by two intersecting chords. The measure of an inscribed angle is equal to half the measure of the corresponding arc.

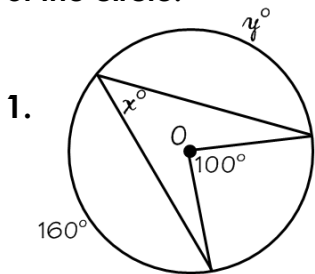
$m\angle ABC =$ _____



Quick Problems: Find the missing value.

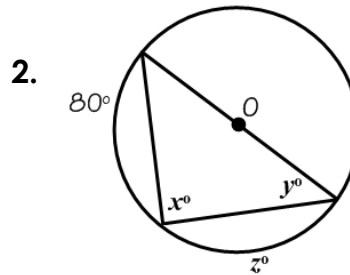


Using the diagrams below, find the following values. You may assume that O stands for the center of the circle.



$x =$ _____

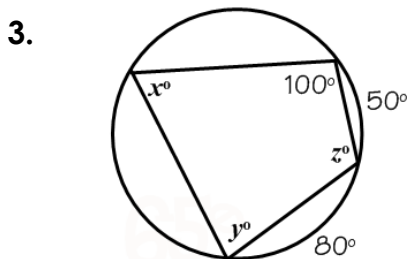
$y =$ _____



$x =$ _____

$y =$ _____

$z =$ _____

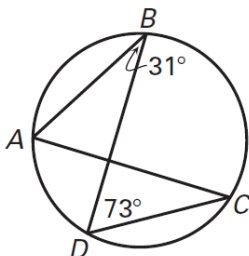


$x =$ _____

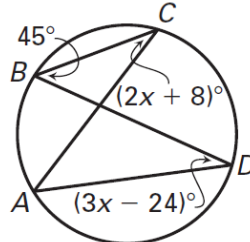
$y =$ _____

$z =$ _____

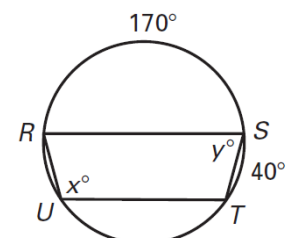
4. Find the measure of angle A and angle C.



5. Solve for x. Then find the measure of angles A and C.



6. Solve for x and y.



7. $m\angle MNP =$

8. $m\angle MQP =$

9. $m\angle MNQ =$

10. $m\angle PNQ =$

11. $mMN =$

12. $mNQ =$

13. $m\angle MPQ =$

14. $m\angle NRQ =$

