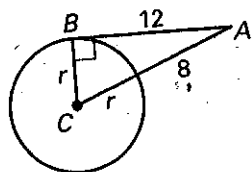
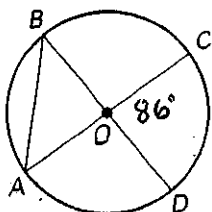


1. In the diagram \overline{AB} is tangent to circle C. Set up an equation and solve for r .

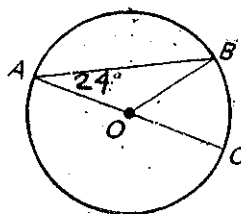


Find the indicated measure.

2. $m\angle BAC =$



3. $m\widehat{AB} =$

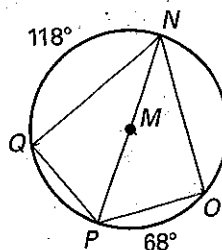


3. Find the indicated measure in circle M.

$m\angle QPO =$

$m\angle NPO =$

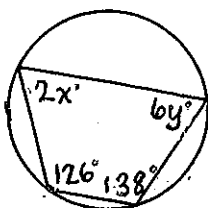
$m\angle QMP =$



5. Set up an equation and solve for x and y .

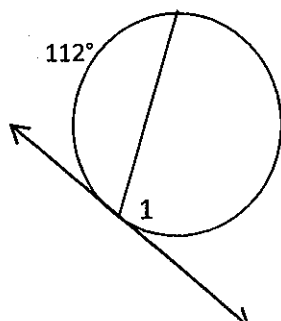
$x =$

$y =$

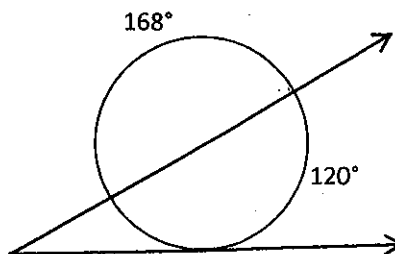


Set up an equation and find the measure of $\angle 1$.

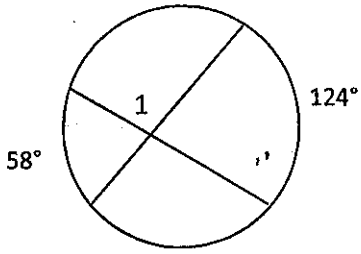
6. $m\angle 1 =$



7. $m\angle 1 =$

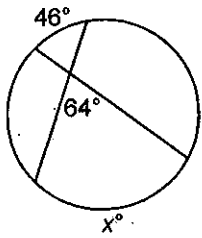


8. $m\angle 1 =$

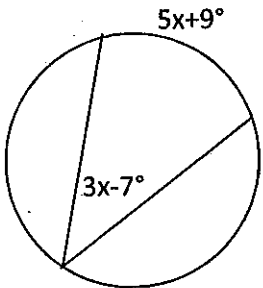


Set up an equation and solve for x .

10. $x =$

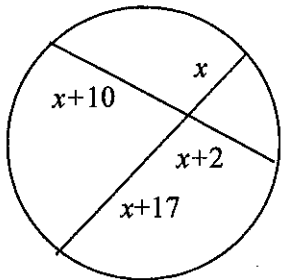


12. $x =$

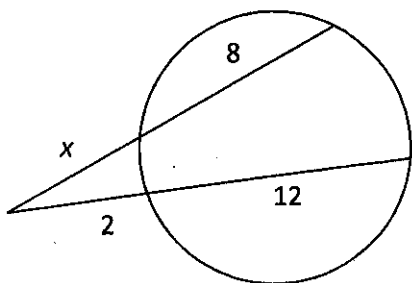


Set up an equation and solve for x . Give exact answers and as necessary approximate to the nearest tenth,

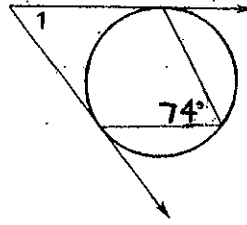
13. $x =$



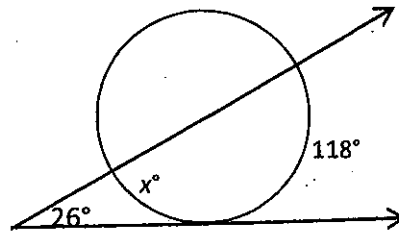
15. $x =$



9. $m\angle 1 =$



11. $x =$



14. $x =$

