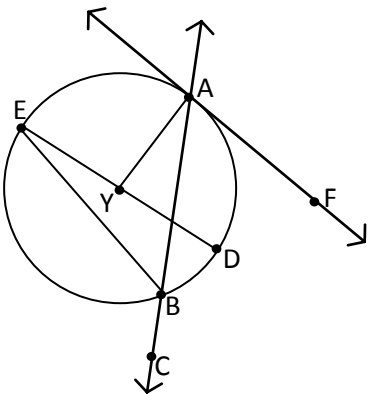
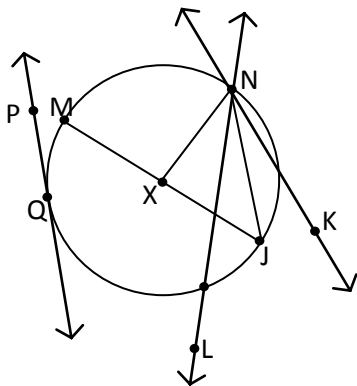


Fill out the table. Use the diagrams to identify examples in the third and fourth columns.

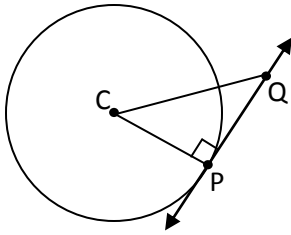


Part	Description	Symbol in Circle X	Symbol in Circle Y
Name			
Radius			
Diameter			
Chord			
Secant Line			
Tangent Line			
Point of Tangency			
Minor Arc			
Major Arc			
Semi-Circle			

Sketch Circle O. Then sketch each of the following on Circle O.

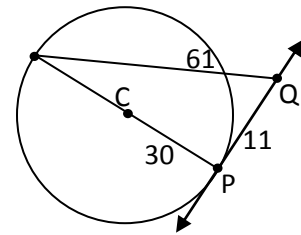
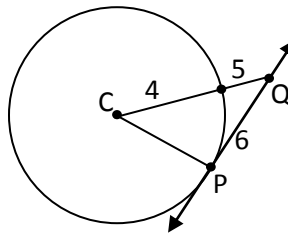
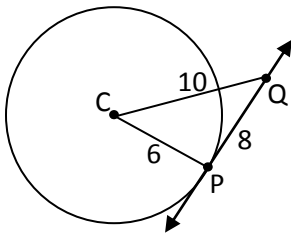
- Radius \overline{OG} ,
- Diameter \overline{XC}
- Chord \overline{XG}
- \overleftrightarrow{PQ} tangent to Circle O at point X
- \overleftrightarrow{CG} secant to Circle O.

Tangent Line Theorem:

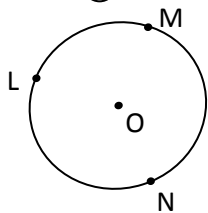


Line \overleftrightarrow{PQ} is tangent to circle C at point P
if and only if
 \overleftrightarrow{PQ} forms a right angle with the radius \overline{CP} .

To test if \overleftrightarrow{PQ} is tangent to circle C at point P, use Pythagorean Theorem.



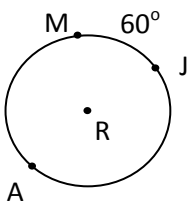
Given: $\odot O$



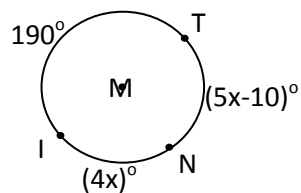
- a.) Name three different minor arcs. _____, _____, and _____.
- b.) Name three different major arcs. _____, _____, and _____.

Given: $\odot R$, find the measure of each indicated arc.

a.) $m\widehat{MAJ} =$ _____

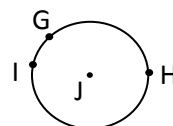


b.) $x =$ _____



c.) $m\widehat{GHI} =$ _____

Given: $m\widehat{GI} = 23^\circ$



d.) $m\widehat{XZ} =$ _____

Given: $m\widehat{XYZ} = 190^\circ$

