Name:

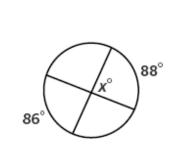
## Angles Formed by Tangents, Chords, and Secants

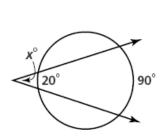
2)

4)

6)

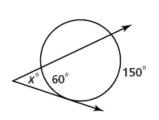
1) Find the value of *x*, verify your answer.

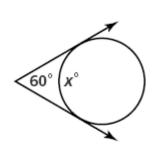




3)

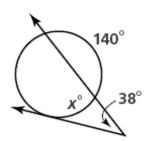
1)

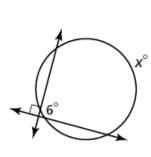




5)

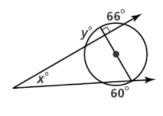
1)





2) Find the value of each variable using the given chords, secants, and tangents.

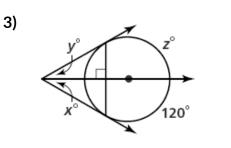
2)

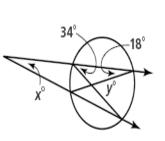


## Mathelpers.com

Grade 10

Mathelpers



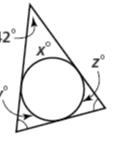


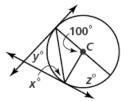
4)

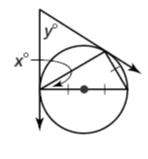
6)



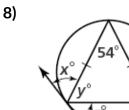
7)

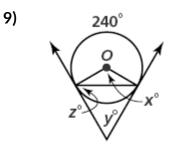




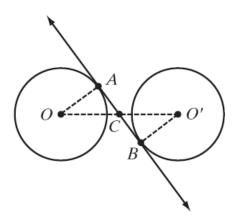








Line  $\overrightarrow{AB}$  is a common internal tangent to circles O and O'.  $\overrightarrow{AB}$  is tangent to circle O at A and 3) to circle O' at B, and OA = O'B. The intersection of  $\overline{OO'}$  at  $\overline{AB}$  is C.



- 1) Prove that OC = O'C
- 2) Prove that AC = BC

Mathelpers.com

Grade 10