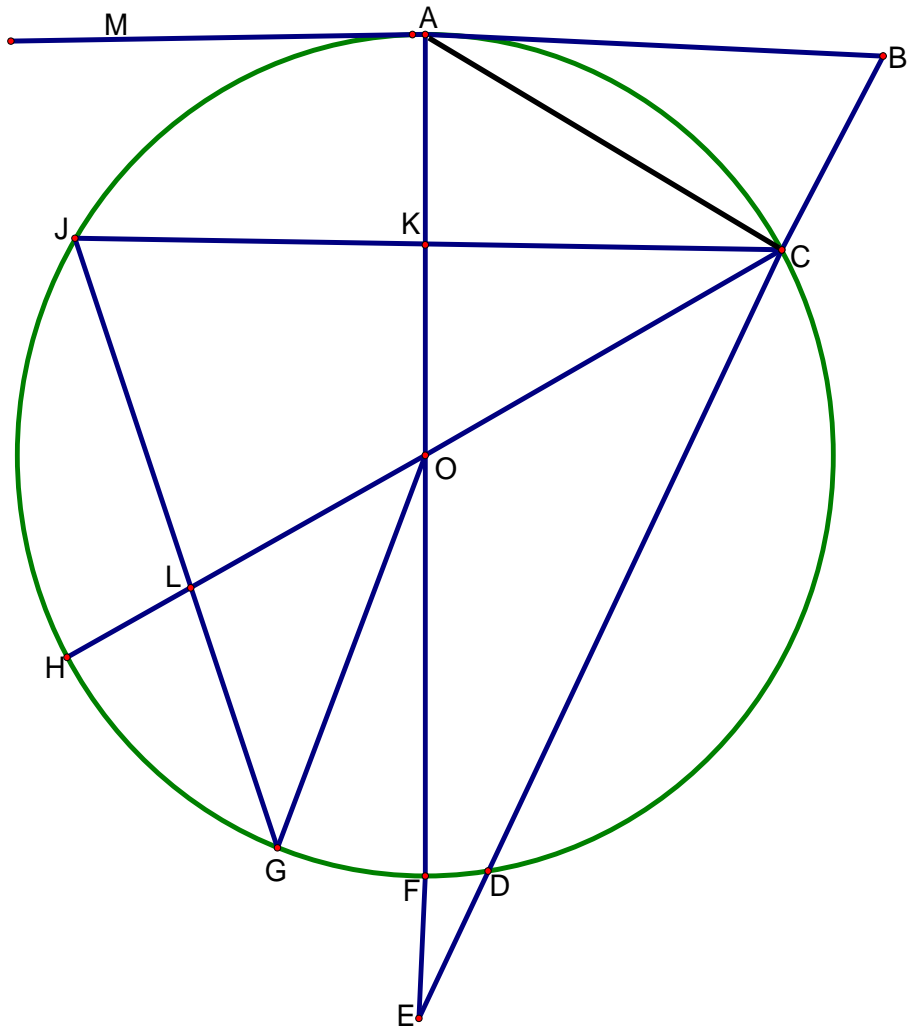


Circle O  
 $\overleftrightarrow{BA}$  is tangent to the circle  
 $\overline{CH} \perp \overline{JG}$   
 $m\angle JCH = 25$   
 $m\angle AOC = 80$   
 $m\widehat{FD} = 20$



- 1)  $m\widehat{JH} = 50^\circ$
- 2)  $m\widehat{HF} = 80^\circ$
- 3)  $m\widehat{ACF} = 180^\circ$
- 4)  $m\widehat{CF} = 100^\circ$
- 5)  $m\widehat{CAH} = 180^\circ$
- 6)  $m\angle AOH = 100^\circ$
- 7)  $m\angle CJG = 65^\circ$
- 8)  $m\angle BAC = 40^\circ$
- 9)  $m\angle AEC = 30^\circ$
- 10)  $m\angle HCD = 50^\circ$
- 11)  $m\angle AKJ = 75^\circ$
- 12)  $m\angle CBA = 60^\circ$
- 13)  $m\angle MAF = 90^\circ$