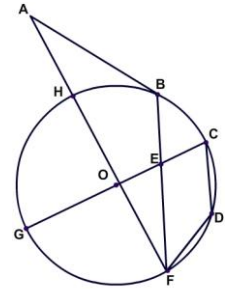
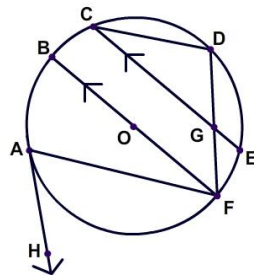
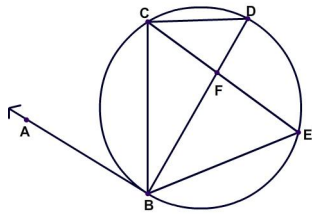


Mixed Review on Formulas & Theorems on Geometry of Circles



Circle Formulas and Theorems : <http://www.mathwarehouse.com/geometry/circle/>

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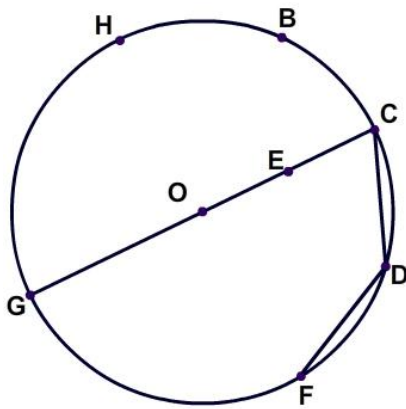
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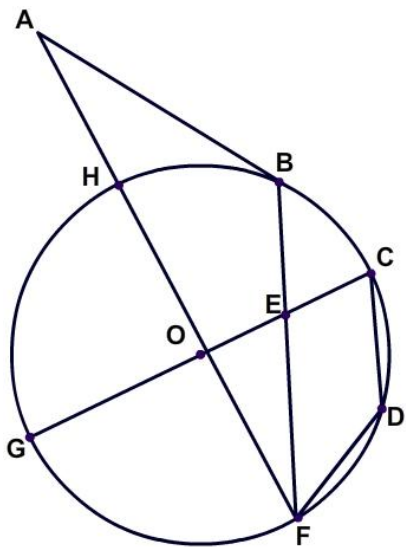
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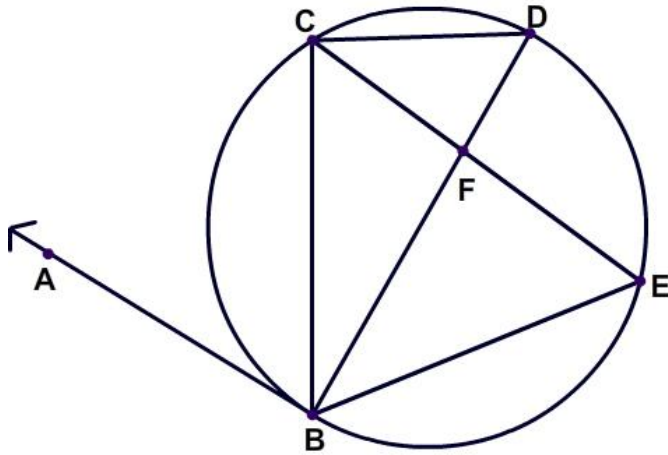
Warm Up: $\widehat{GF} : \widehat{FD} : \widehat{DC} = 4:1:1$, What is $m\angle GCD$?



1) \overline{AB} is a tangent. $\widehat{GF} : \widehat{FD} : \widehat{DC} = 4:1:1$, $\angle HFB = 25^\circ$, $\widehat{BC} = 30^\circ$
 Find $m\widehat{GF}$, $m\angle A$, $m\angle BEC$, $m\angle GCD$

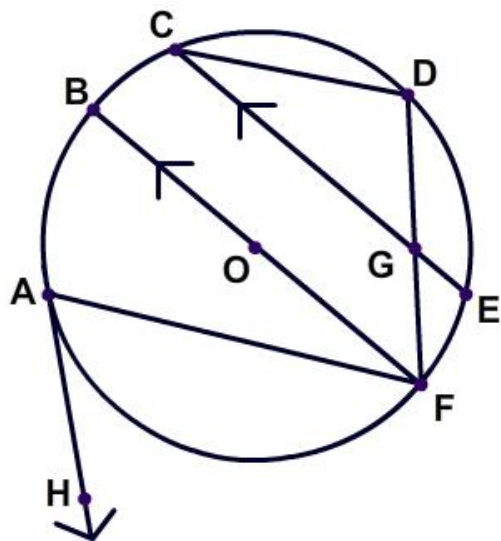


2) \overrightarrow{AB} is a tangent. $\angle ABC = 60^\circ$, $\widehat{CD} = 50^\circ$, $\widehat{DE} : \widehat{EB} = 9 : 10$
 Find $m\angle DCE$, $m\angle CDB$, $m\angle CEB$, $m\angle CFD$.



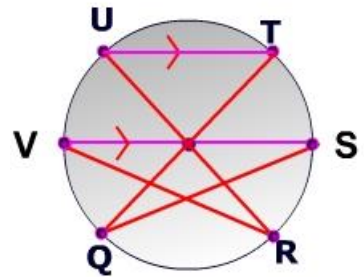
3) \overrightarrow{AH} is a tangent, \overline{BOF} is a diameter $BF \parallel CE$, $m\angle FAH = 70^\circ$, $\widehat{CDE} = 100^\circ$

Find the measure of \widehat{FA} , \widehat{BA} , \widehat{BC} , \widehat{EF} , $m\angle CDF$, $m\angle AFD$



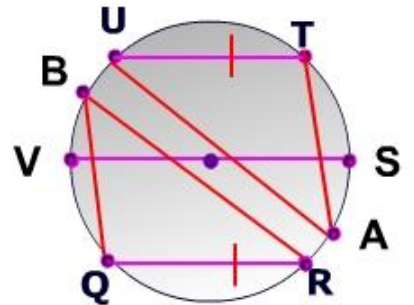
6) UR and TQ are chords. $m\angle UT = 52^\circ$

What is the measure of $\angle QR$, $\angle UV$, $\angle TS$, $\angle TQS$, $m\angle URV$?



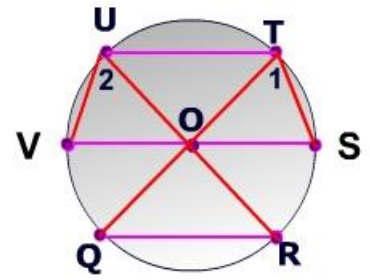
7) $m\angle QR = 80^\circ$

What is the measure of $\angle UAT$, $\angle QBR$, $\angle UT$?



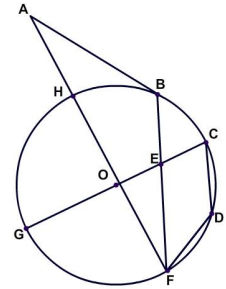
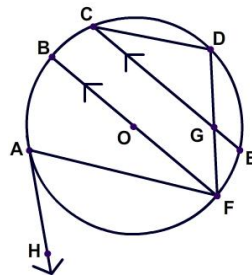
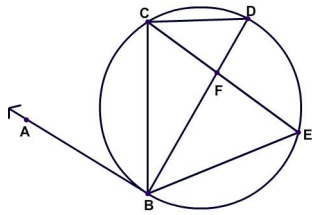
8) $\angle 1 \cong \angle 2$ and $\angle QOR = 70^\circ$

What is the measure of $\angle 1$, $\angle 2$, $\angle QOR$



Is $VS \parallel QR$? Explain your answer?

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