

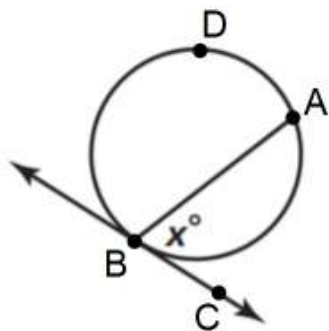
# Geo Practice #23

Sec 12-3 & 12-4

Mon & Tue, May 4/5, 2020

1.  $\overleftrightarrow{BC}$  is a tangent to the circle at B.  $m\widehat{ADB} = 220^\circ$ .

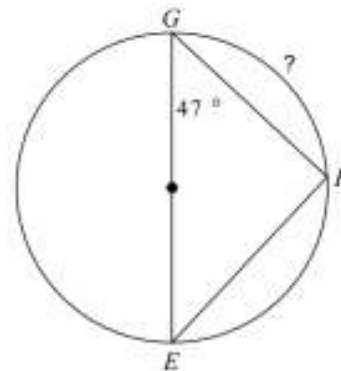
Find the value of  $x$ .



$x =$

2.  $\overline{GE}$  is a diameter.

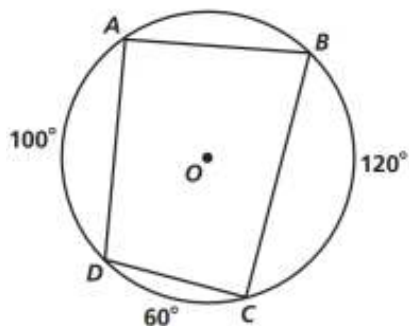
Find the measure  $\widehat{GF}$ .



$m\widehat{GF} =$

3. Quadrilateral ABCD is inscribed in  $\odot O$ .

Find the measure of all four angles of this quadrilateral.



$m\angle A =$

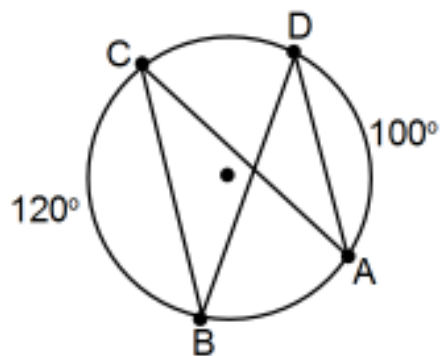
$m\angle B =$

$m\angle C =$

$m\angle D =$

4.  $m\angle A = 30^\circ$ ,  $m\widehat{AD} = 100^\circ$ ,  $m\widehat{BC} = 120^\circ$

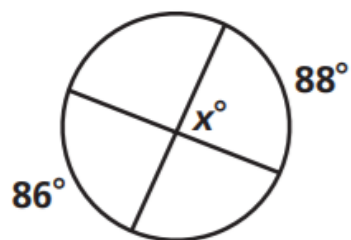
Find  $m\angle B$  and  $m\widehat{AB}$



$m\angle B =$

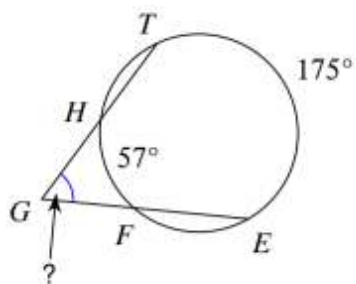
$m\widehat{AB} =$

5. Find the value of  $x$ .



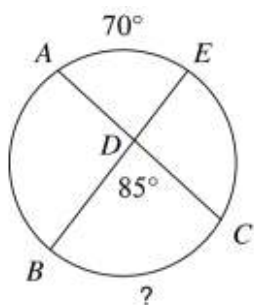
$x =$

6. Find the value of  $\angle G$ .



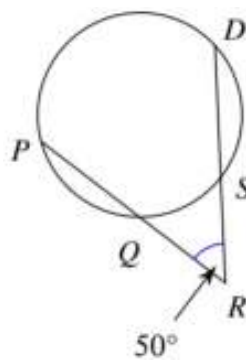
$m\angle G =$

7. Find the measure of  $\widehat{BC}$ .



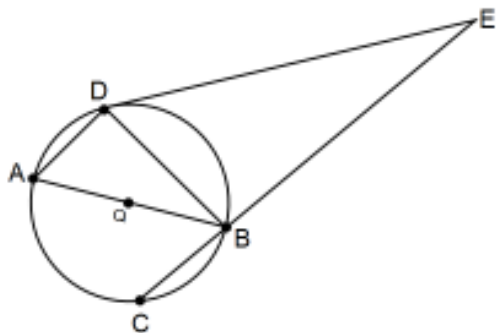
$m\widehat{BC} =$

8. Find the measure of  $\widehat{QS}$ .  
 $m\widehat{PD} = 165^\circ$  and  $m\angle R = 50^\circ$



$m\widehat{QS} =$

9.  $\overline{AB}$  is a diameter in  $\odot Q$ ,  $\overline{DE}$  is tangent at pt  $D$ .  $m\widehat{BC} = 70^\circ$  and  $m\angle DBA = 30^\circ$ . Find the measure of  $\angle E$ .



$m\angle E =$