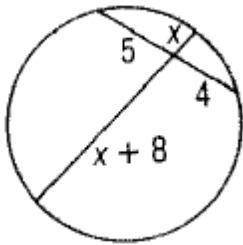


Name: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Class: \_\_\_\_\_

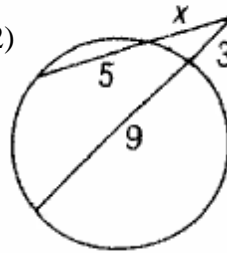
Geometry  
 Unit 10  
 HW 10-6

1)



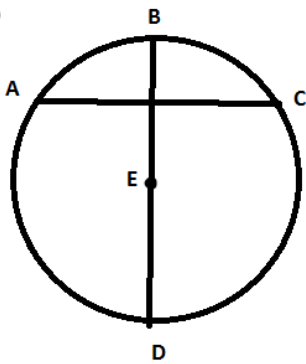
Find x

2)



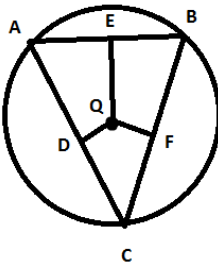
Find x

3)



$\overline{AC} \perp \overline{BD}$  and they intersect at point  $P$ . If  $AC = 10$  and  $BP = 2$ , find  $PD$  and  $AD$ .

3)

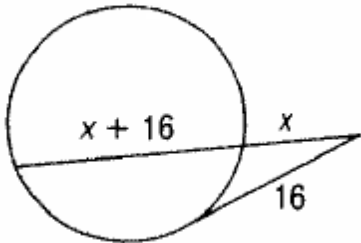


$\odot Q$

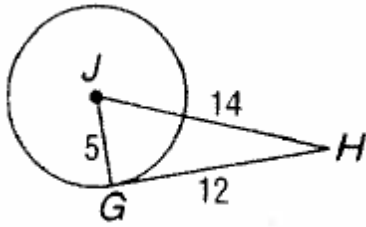
$QD = 2\text{in}$ ,  $QF = 4\text{in}$ , and  $QE = 6\text{in}$ . Those 3 distances are the distance from the side to the center. Which is the shortest side of the triangle and which is the largest angle and how do you know?

4)

Find x

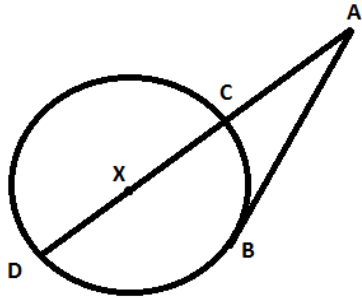


5)



Is  $\overline{HG}$  a tangent

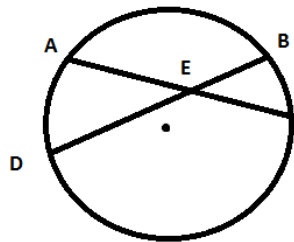
6)



In  $\odot X$   $CB:BD:DC = 3:7:8$   
Find  $m\angle A$

7) In #6 if  $\overline{AB}$  is a tangent,  $AC = 4$ , and  $CD = 21$ , find  $AB$

8)



$m\angle DEC = 10x - 10$ ,  $m\widehat{AB} = 4x + 8$ , and  
 $m\widehat{CD} = 14x + 8$ . Find  $m\angle BEC$

9) In #8 if  $BE = 6$ ,  $BD = 18$ , and  $AE = 4$ , find  $EC$