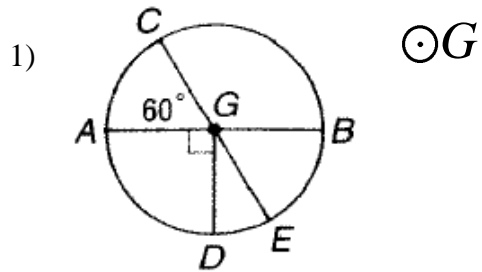
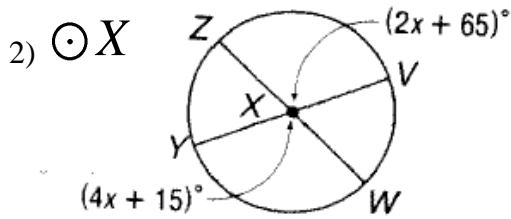


Name: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Class: \_\_\_\_\_

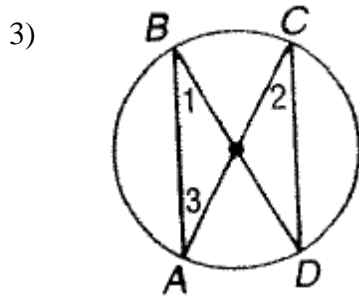
Geometry  
 Unit 10  
 HW 10-2



- a) Find  $m\widehat{BC}$
- b) Find  $m\angle DGE$
- c) Find  $m\widehat{AD}$

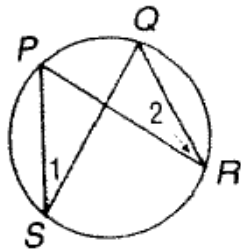


Find  $m\widehat{ZV}$



If  $m\angle BDC = 25^\circ$ , and the point is the center of the circle. Find  $m\angle 1$ ,  $m\angle 2$ , and  $m\angle 3$

- 4)  $m\angle 1 = x$ ,  $m\angle 2 = 2x - 13$  Find  $m\angle 1$  and  $m\angle 2$

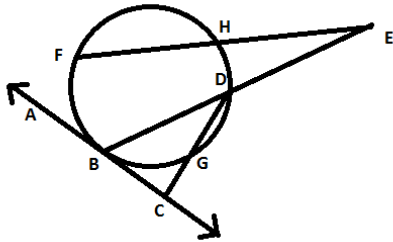


5) Using the diagram for #4,  $m\angle 1 = 3x + 4$ ,  $m\angle 2 = x^2 - 4x + 4$ , and  $\widehat{QR} : \widehat{PS} : \widehat{RS} = 8 : 9 : 14$ , find  $m\angle SPR$ .

6) Using the diagram for #4, state which triangles are similar (the point where segment PR and segment QS cross is point T).

7) In #6, if PS = 8, TQ = 5, and QR = 10 what is the ratio of the areas of these 2 triangles?

8)



$\widehat{BG} : \widehat{GD} : \widehat{HD} : \widehat{HF} : \widehat{FB} = 4 : 3 : 2 : 8 : 7$   
Find  $m\angle CBD$  and  $m\angle BDC$

9) Using the diagram for #8,  $m\angle BDC = 3x + 3$ ,  $m\angle DBC = 6x - 22$ , and  $m\angle DCB = 5x + 3$ , find  $m\widehat{BFD}$