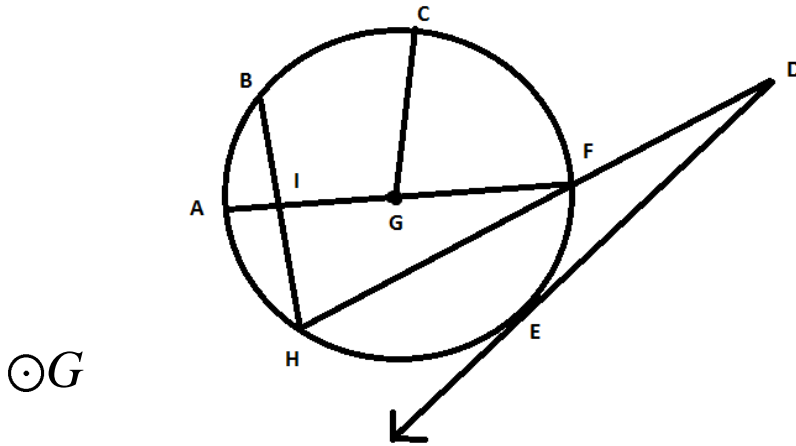


Name: \_\_\_\_\_  
Date: \_\_\_\_\_  
Class: \_\_\_\_\_

Geometry  
Unit 10  
HW 10-1



⊙G

1) In the above circle list one example for each of the following:

- |            |             |              |
|------------|-------------|--------------|
| a) secant  | b) radius   | c) major arc |
| d) tangent | e) diameter | f) minor arc |
| g) chord   | h) arc      |              |

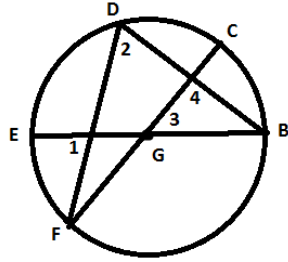
2) In the above circle if  $\widehat{AB} : \widehat{BC} : \widehat{CF} = 1 : 2 : 2$  find  $m\widehat{BC}$ .

3) If the endpoints of the diameter of a circle are  $(-2, 4)$  and  $(5, -8)$  what would the center of the circle be?

4) In #3 what would the length of the radius be?

5) If the endpoints of a radius of a circle are  $(-2, -4)$  and  $(0, 2)$  what would the length of the diameter of this circle be?

6)



In circle G,  $\widehat{BC} : \widehat{DC} : \widehat{ED} : \widehat{BF} = 2 : 1 : 3 : 4$ , find  $m\widehat{BC}$

7) Using the diagram for #6 - In circle G,  $\widehat{BF} : \widehat{EF} : \widehat{ED} = 8 : 2 : 3$ , find  $m\widehat{BD}$

8) If the center of a circle is at  $(-3, -5)$  and one end of the diameter is located at  $(-10, 6)$  what is the location of the other end of the diameter.

9) In the circle in number 8, what is the length of the diameter of this circle?