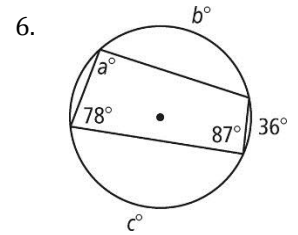
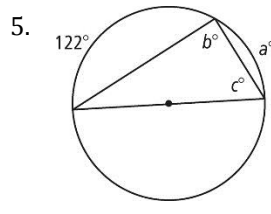
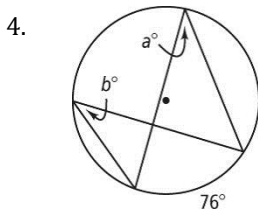
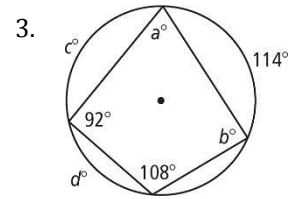
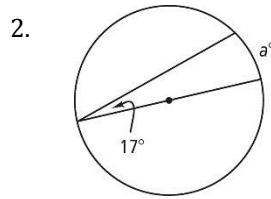
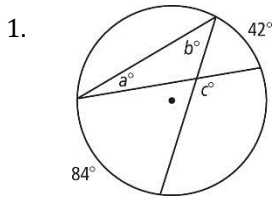


**Math 3**  
**Unit 6 Day 8 CW**

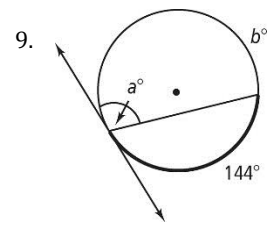
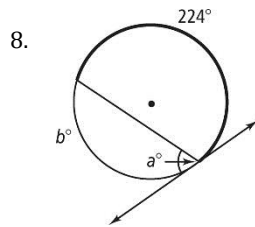
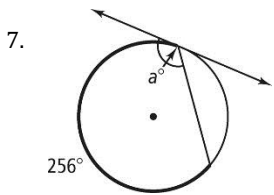
Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Directions:** Find the value of each variable. For each circle, the dot represents the center.



**Directions:** Find the value of each variable. Lines that appear to be tangent are tangent.



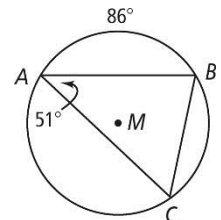
**Directions:** Find each indicated measure for  $\odot M$ .

10.  $m\angle B$

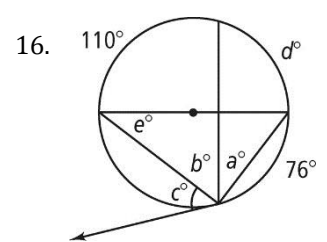
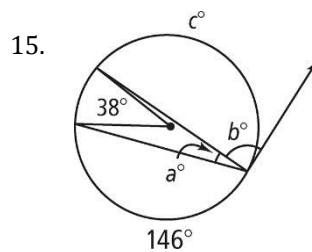
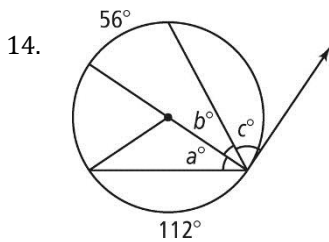
11.  $m\angle C$

12.  $m\widehat{BC}$

13.  $m\widehat{AC}$



**Directions:** Find the value of each variable. For each circle, the dot represents the center.

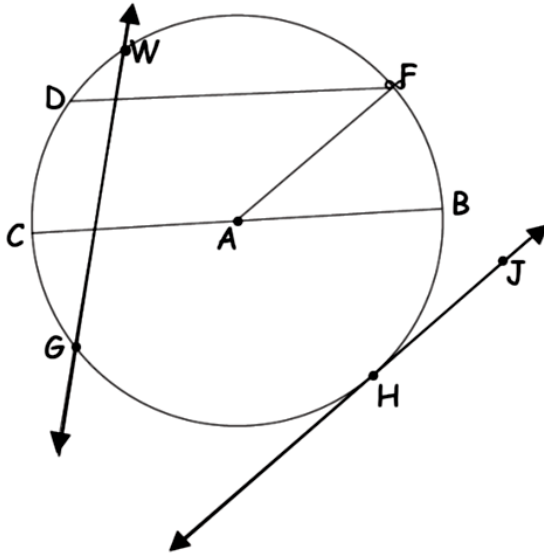


Math 3  
Unit 6 Day 8 HW

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Definitions, Angle, Arc Worksheet



For CIRCLE A Identify the following:

1.  $\overline{AB}$  \_\_\_\_\_

2.  $\overline{DF}$  \_\_\_\_\_

3.  $\overline{WG}$  \_\_\_\_\_

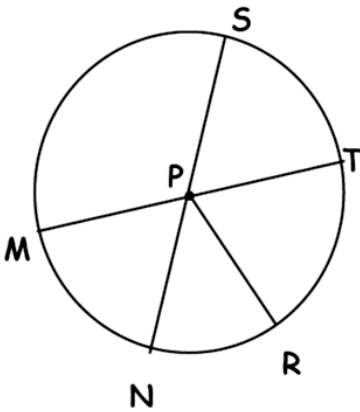
4.  $\overline{HJ}$  \_\_\_\_\_

5. point H \_\_\_\_\_

6.  $\overline{CB}$  \_\_\_\_\_

7. point A \_\_\_\_\_

8. Circle P with  $m \angle NPR = 29^\circ$  and  $m \angle SPT = 51^\circ$   
Determine the **degree of each arc** and the **type (major, minor, semi-circle)**.



a)  $m \widehat{NR} =$  \_\_\_\_\_ type \_\_\_\_\_

b)  $m \widehat{ST} =$  \_\_\_\_\_ type \_\_\_\_\_

c)  $m \widehat{TSR} =$  \_\_\_\_\_ type \_\_\_\_\_

d)  $m \widehat{MST} =$  \_\_\_\_\_ type \_\_\_\_\_

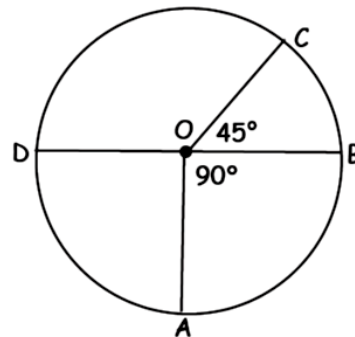
9 - 12 refer to  $\odot O$ . Find the measure of each arc.

9.  $m \widehat{AB}$  \_\_\_\_\_

10.  $m \widehat{CD}$  \_\_\_\_\_

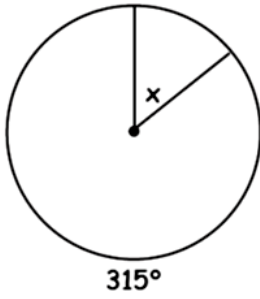
11.  $m \widehat{AC}$  \_\_\_\_\_

12.  $m \widehat{ADC}$  \_\_\_\_\_

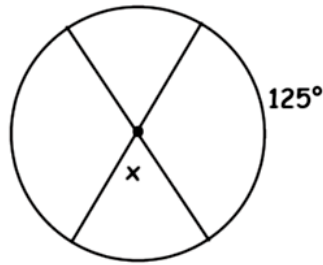


Find the value of  $x$ .

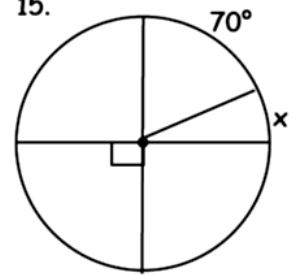
13.



14.



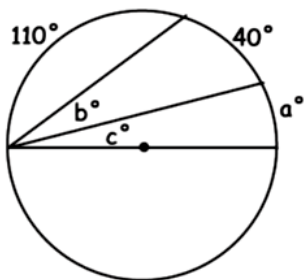
15.



16. At ten o'clock the hands of a clock form an angle of \_\_\_\_\_ degrees.

17. At seven o'clock the hands of a clock form an angle of \_\_\_\_\_ degrees.

18.

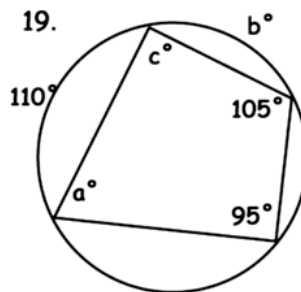


$a =$  \_\_\_\_\_

$b =$  \_\_\_\_\_

$c =$  \_\_\_\_\_

19.

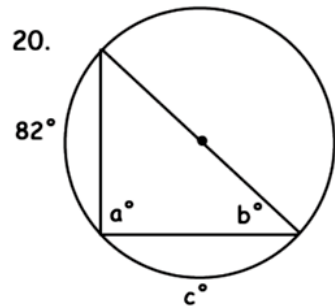


$a =$  \_\_\_\_\_

$b =$  \_\_\_\_\_

$c =$  \_\_\_\_\_

20.

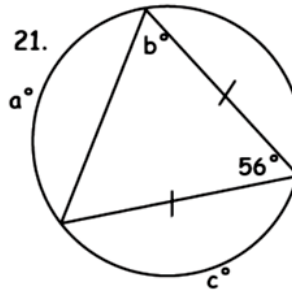


$a =$  \_\_\_\_\_

$b =$  \_\_\_\_\_

$c =$  \_\_\_\_\_

21.

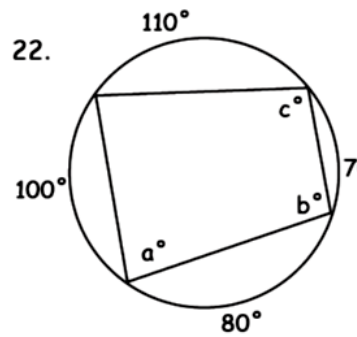


$a =$  \_\_\_\_\_

$b =$  \_\_\_\_\_

$c =$  \_\_\_\_\_

22.

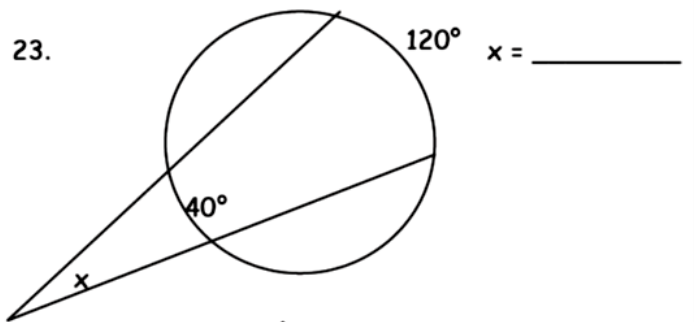


$a =$  \_\_\_\_\_

$b =$  \_\_\_\_\_

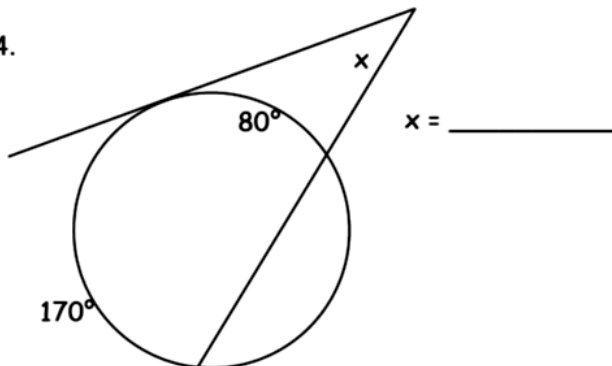
$c =$  \_\_\_\_\_

23.



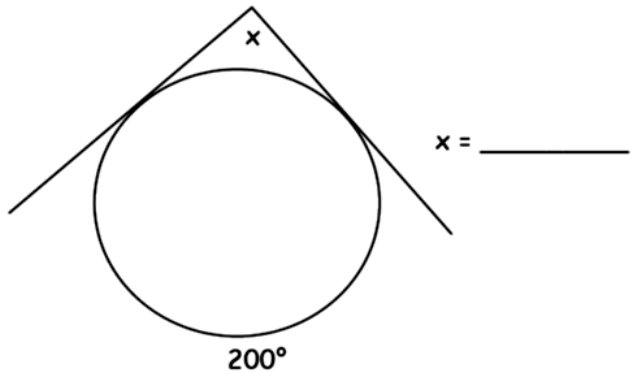
$x =$  \_\_\_\_\_

24.



$x =$  \_\_\_\_\_

25.



$x =$  \_\_\_\_\_