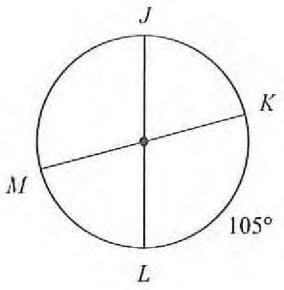
Name_____ ※14

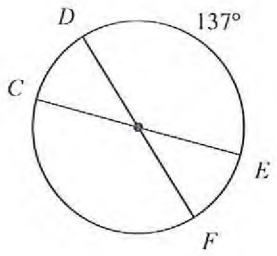
Central & Inscribed Angle Practice

Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

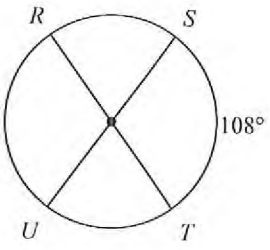
1) $m\widehat{JK}$



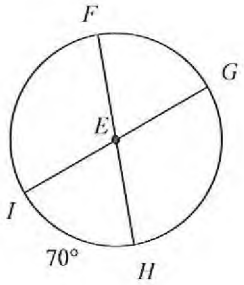
2) $m\widehat{EFD}$



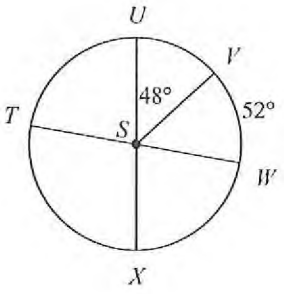
3) $m\widehat{UR}$



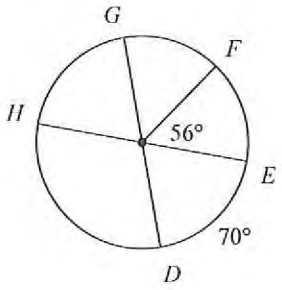
4) $m\angle IEF$



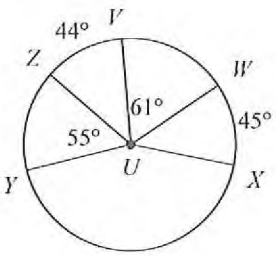
5) $m\angle USW$



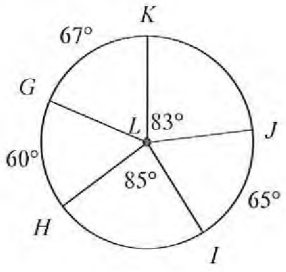
6) $m\widehat{DGE}$



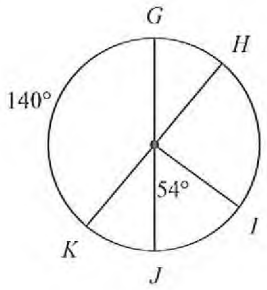
7) $m\angle VUX$



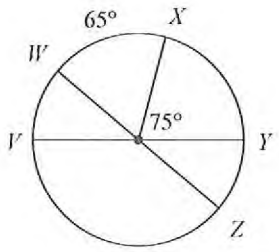
8) $m\angle ILG$



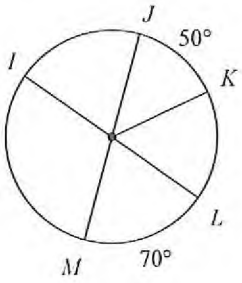
9) $m\widehat{GIK}$



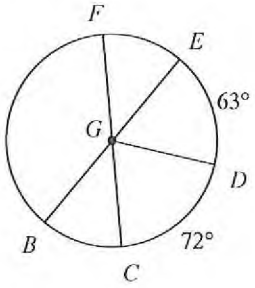
10) $m\widehat{ZWY}$



11) $m\widehat{MI}$

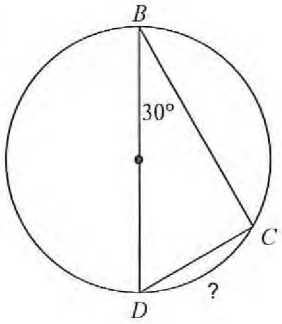


12) $m\angle DGB$



Find the measure of the arc or angle indicated.

13)



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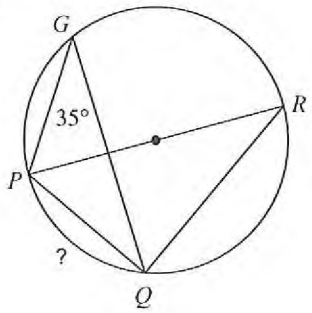
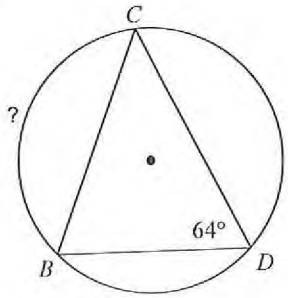
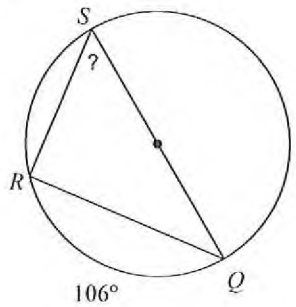


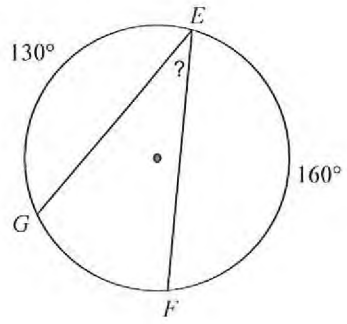
15)



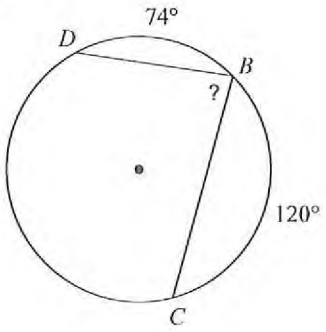
16)



17)



18)



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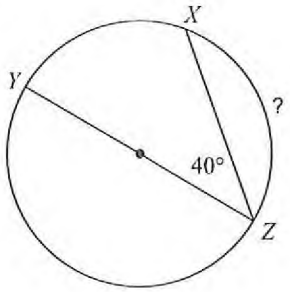
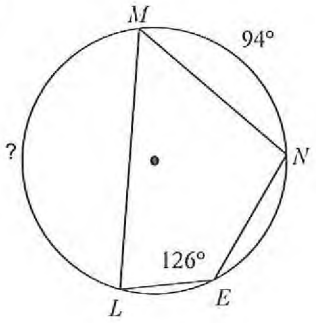
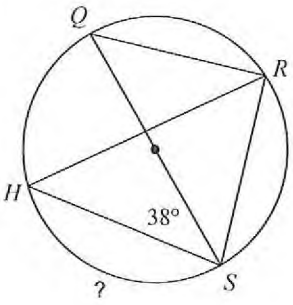


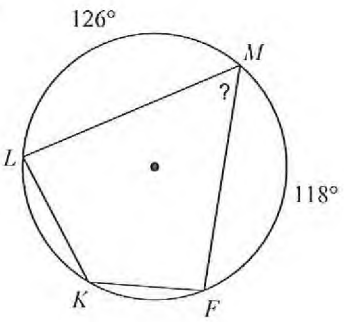
20)



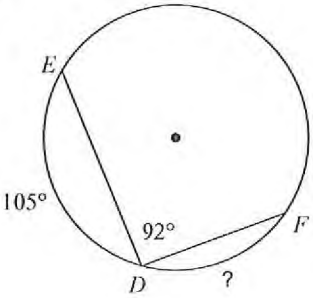
21)



22)



23)



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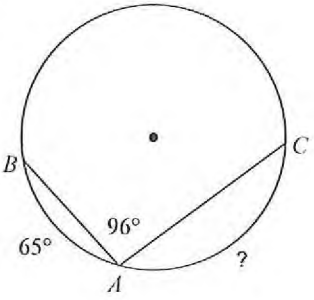
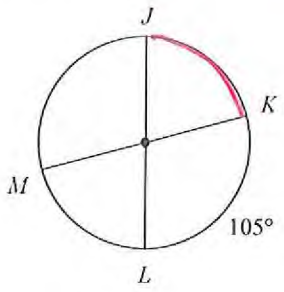


Name Key #14

Central & Inscribed Angle Practice

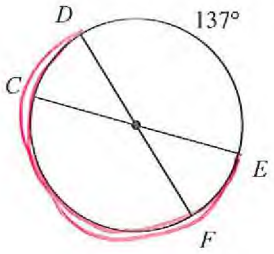
Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

1) $m\overset{\frown}{JK}$



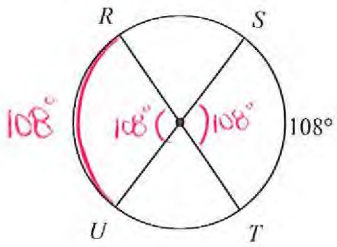
(JKL is a semicircle)
$180° - 105°$
75°

2) $m\overset{\frown}{EFD}$



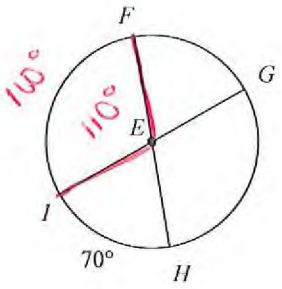
$360° - 137°$
223°

3) $m\overset{\frown}{UR}$



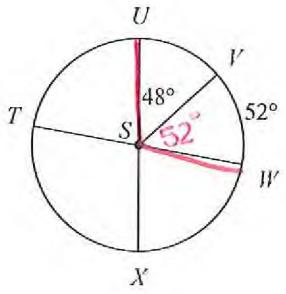
108°

4) $m\angle IEF$



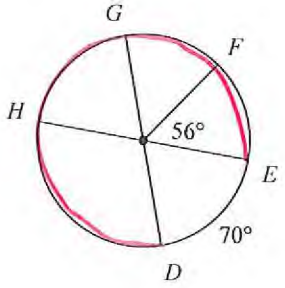
FIH is a semicircle
$180° - 70°$
110°

5) $m\angle USW$



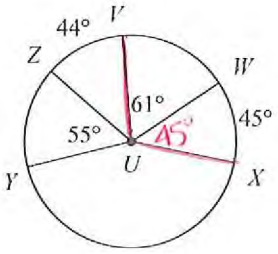
$48° + 52°$
100°

6) $m\overset{\frown}{DGE}$



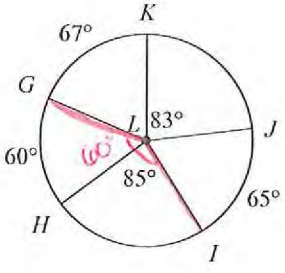
$360° - 70°$
290°

7) $m\angle VUX$



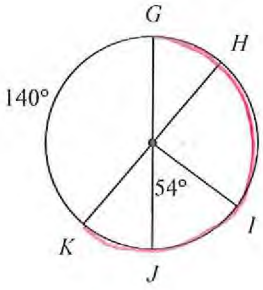
$61° + 45°$
106°

8) $m\angle ILG$



$60° + 85°$
145°

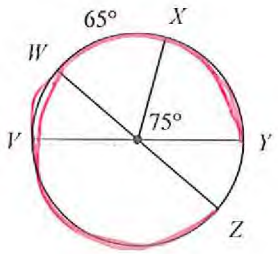
9) $m\overset{\frown}{GIK}$



$360° - 140°$

$220°$

10) $m\overset{\frown}{ZWY}$

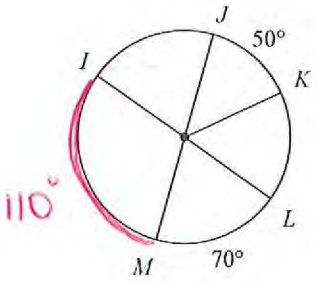


$\overset{\frown}{ZVW} + \overset{\frown}{WX} + \overset{\frown}{XY}$

$180° + 65° + 75°$

$320°$

11) $m\overset{\frown}{MI}$

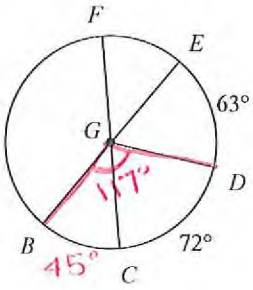


(LMI is a semicircle)

$180° - 70°$

$110°$

12) $m\angle DGB$



(EDB is a semicircle)

$180° - 63° - 72°$

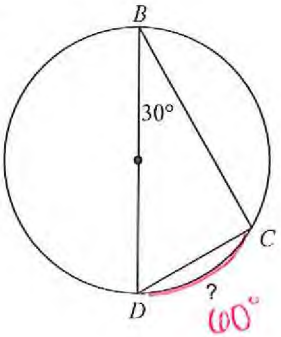
$45°$

$45° + 72°$

$117°$

Find the measure of the arc or angle indicated.

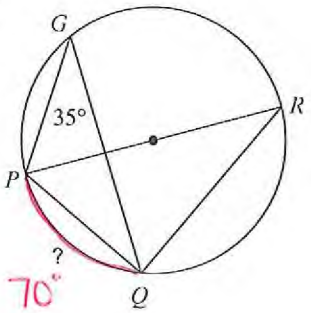
13)



$30° \cdot 2$

$60°$

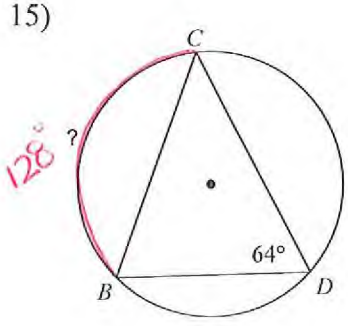
14)



$35° \cdot 2$

$70°$

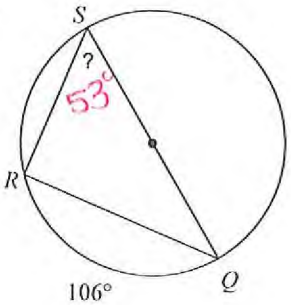
15)



$64° \cdot 2$

$128°$

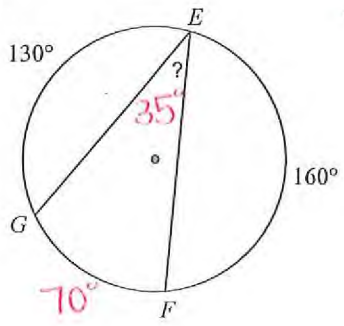
16)



$106° \div 2$

$53°$

17)



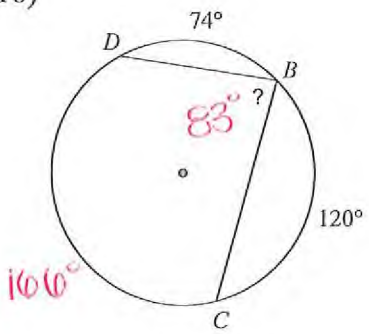
$360° - 130° - 160°$

$70°$

$70° \div 2$

$35°$

18)



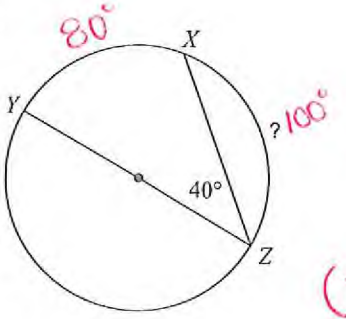
$360° - 74° - 120°$

$166°$

$166° \div 2$

$83°$

19)



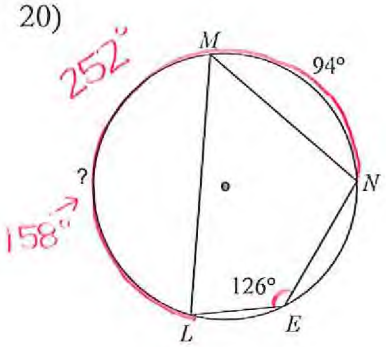
$40° \cdot 2$

$180° - 80°$

$100°$

(YXZ is a semicircle)

20)



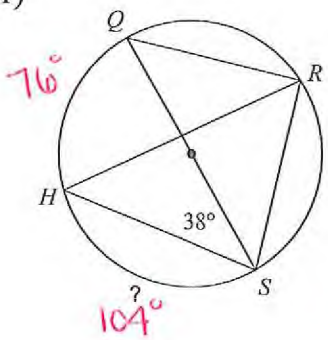
$126° \cdot 2$

$252°$ ∠MLMN

$252° - 94°$

$158°$

21)



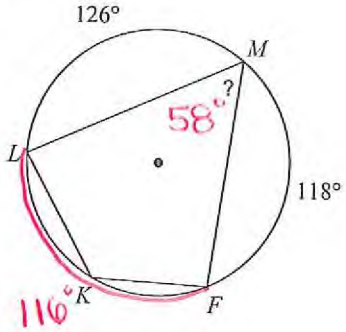
$38° \cdot 2$

$180° - 76°$

$104°$

(QHS is a semicircle)

22)



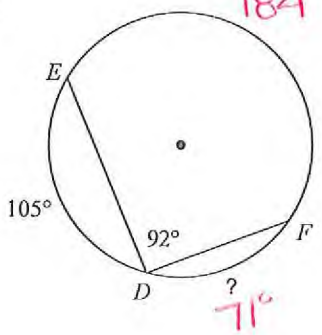
$360° - 126° - 118°$

$116°$

$116° \div 2$

$58°$

23)



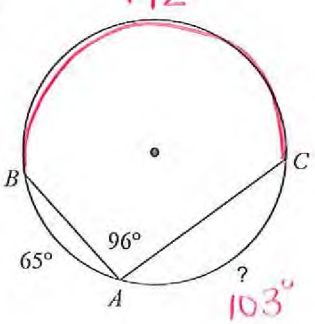
$92° \cdot 2$

$184°$

$360° - 105° - 184°$

$71°$

24)



$96° \cdot 2$

$192°$

$360° - 65° - 192°$

$103°$