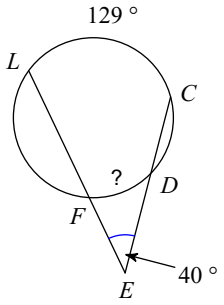
Circles-All Angles

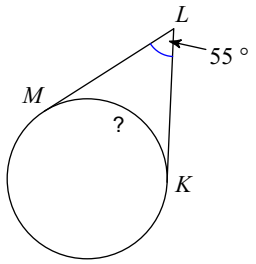
Date_____ Period____

Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

1)

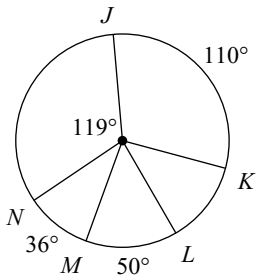


2)

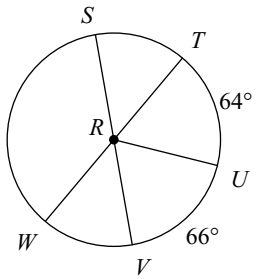


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

3) $m\widehat{NKM}$

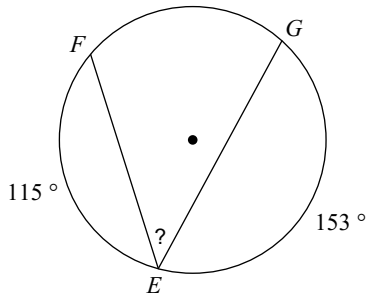


4) $m\angle VRW$

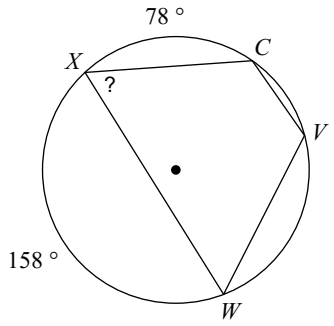


Find the measure of the arc or angle indicated.

5)

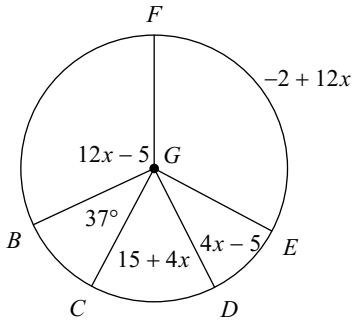


6)

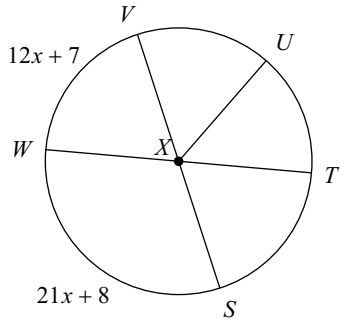


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

7) $m\angle DGC$

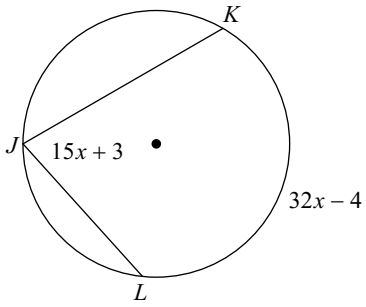


8) $m\angle SXW$

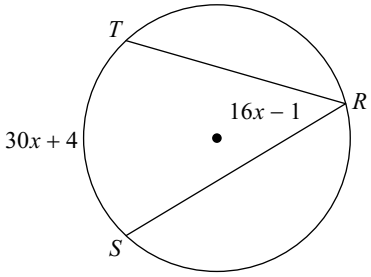


Find the measure of the arc or angle indicated.

9) Find $m\widehat{KL}$

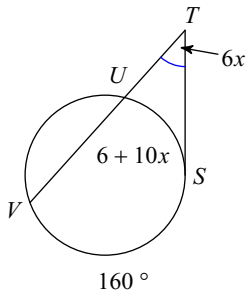


10) Find $m\angle SRT$

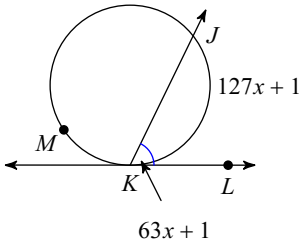


Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

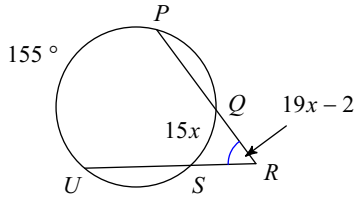
11) Find $m\angle STV$



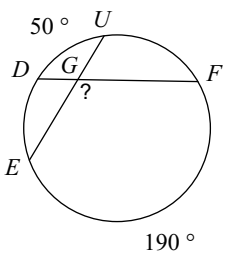
12) Find $m\widehat{JMK}$



13) Find $m\widehat{QS}$

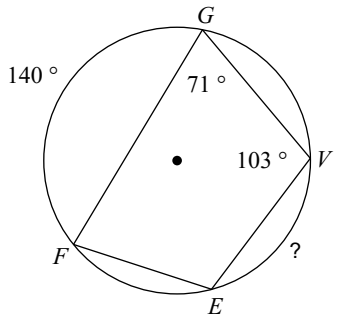


14)

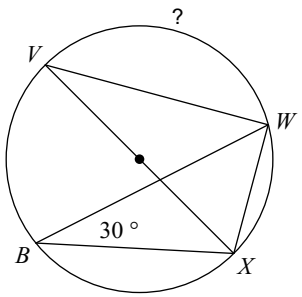


Find the measure of the arc or angle indicated.

15)

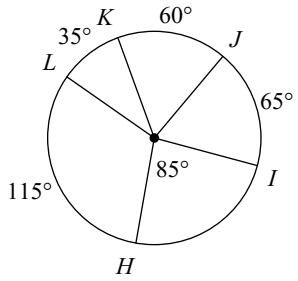


16)

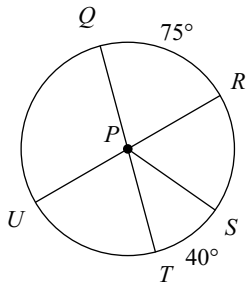


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

17) $m\widehat{ILJ}$

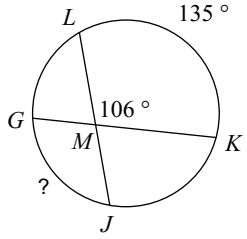


18) $m\angle RPT$

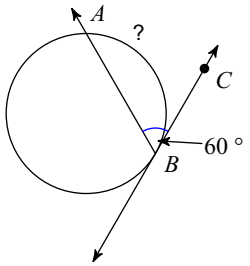


Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

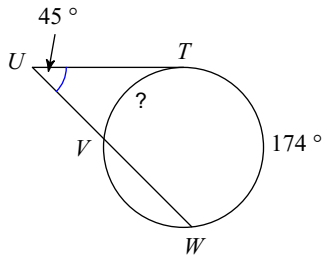
19)



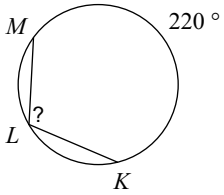
20)



21)

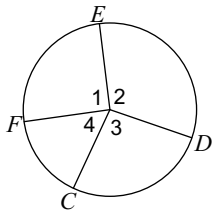


22)

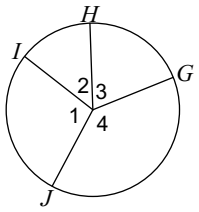


If an angle is given, name the arc it makes. If an arc is given, name its central angle.

23) $\angle 4$

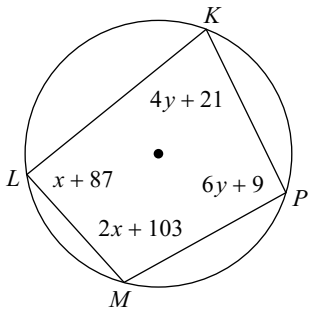


24) $\overset{\frown}{JHI}$

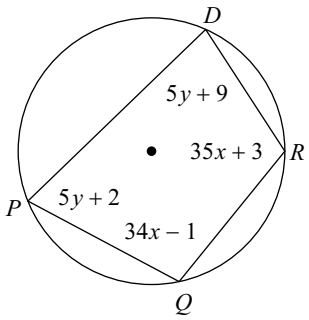


Solve for *x* and *y*.

25)

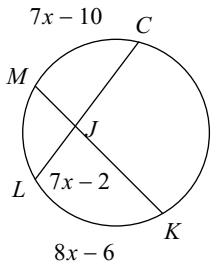


26)

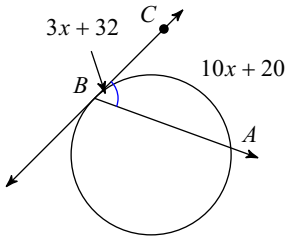


Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

27) Find $m\angle KJL$

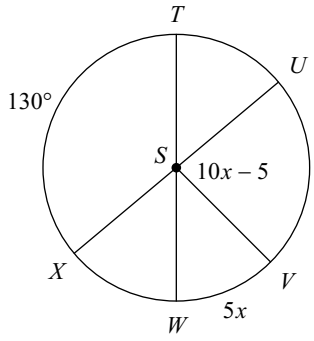


28) Find $m\overset{\frown}{AB}$

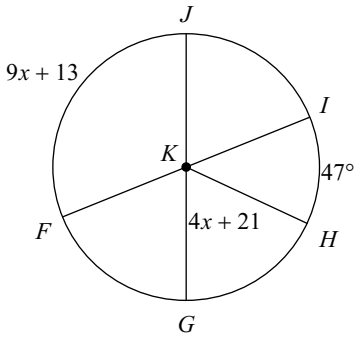


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

29) $m\angle USV$



30) $m\angle HKG$



Answers to Circles-All Angles (ID: 1)

1) 49°
2) 125°
3) 324°
4) 50°
5) 46°
6) 62°
7) 55°
8) 113°
9) 156°
10) 47°
11) 42°
12) 232°
13) 45°
14) 120°
15) 76°
16) 120°
17) 295°
18) 105°
19) 77°
20) 120°
21) 84°
22) 110°
23) $\overset{\frown}{FC}$
24) $\angle 1$
25) $x = 0$, $y = 14$
26) $x = 3$, $y = 14$
27) 82°
28) 130°
29) 85°
30) 65°