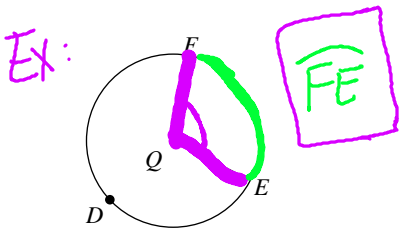
Kuta Software - Infinite Geometry Name_____

Arcs and Central Angles

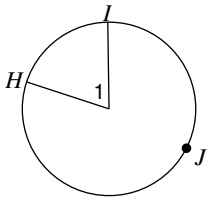
Date_____ Period____

Name the arc made by the given angle.

1) $\angle FQE$

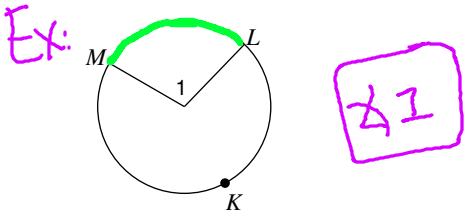


2) $\angle 1$

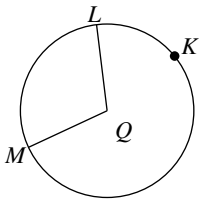


Name the central angle of the given arc.

3) $\overset{\frown}{ML}$

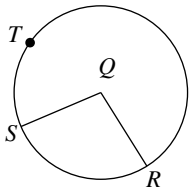


4) $\overset{\frown}{ML}$

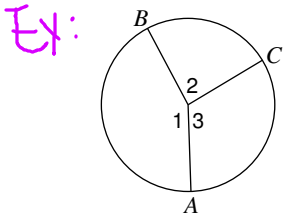


If an angle is given, name the arc it makes. If an arc is given, name its central angle.

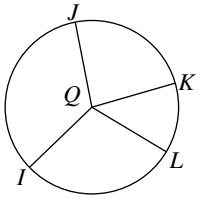
5) $\overset{\frown}{RS}$



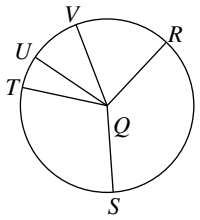
6) Major arc for $\angle 1$ Name w/ 3 Letters



7) $\angle KQL$

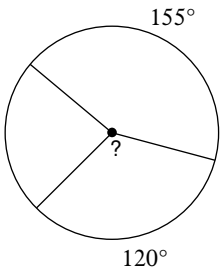


8) $\overset{\frown}{SVT}$

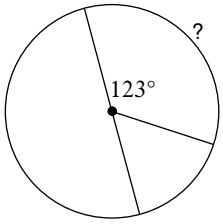


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

9)

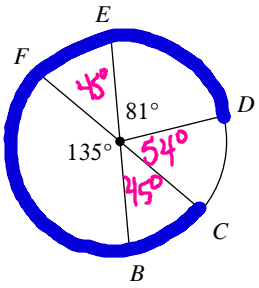


10)



11) $m\widehat{CFD}$

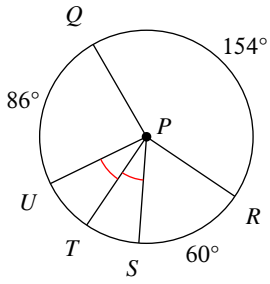
Ex:



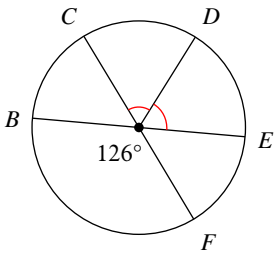
$m\widehat{CFD} = 360 - 54 =$

$306°$

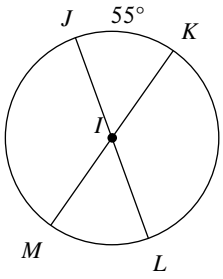
12) $m\angle SPQ$



13) $m\widehat{EFC}$



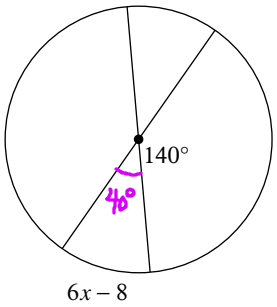
14) $m\angle MIJ$



Solve for *x*. Assume that lines which appear to be diameters are actual diameters.

15)

Ex:



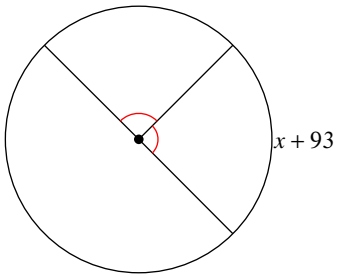
$6x - 8 = 40$

$+8 \quad +8$

$\frac{6x}{6} = \frac{48}{6}$

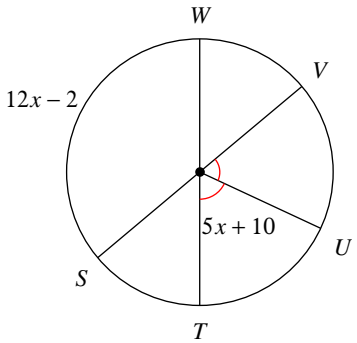
$x = 8$

16)

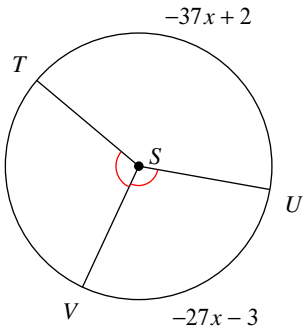


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

17) $m\widehat{WV}$



18) $m\angle VST$



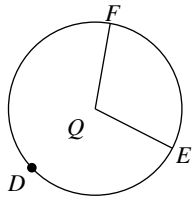
Kuta Software - Infinite Geometry Name_____

Arcs and Central Angles

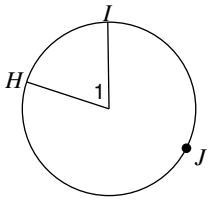
Date_____ Period____

Name the arc made by the given angle.

1) $\angle FQE$ $\overset{\frown}{FE}$

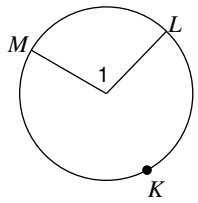


2) $\angle 1$ $\overset{\frown}{HI}$

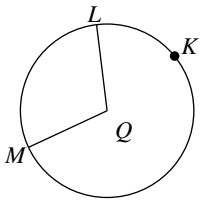


Name the central angle of the given arc.

3) $\overset{\frown}{ML}$ $\angle 1$

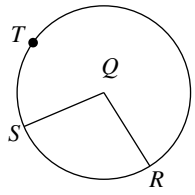


4) $\overset{\frown}{ML}$ $\angle MQL$

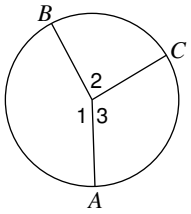


If an angle is given, name the arc it makes. If an arc is given, name its central angle.

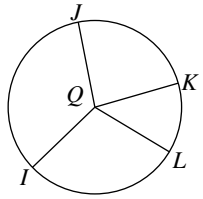
5) $\overset{\frown}{RS}$ $\angle RQS$



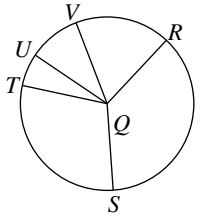
6) Major arc for $\angle 1$ $\overset{\frown}{ACB}$



7) $\angle KQL$ $\overset{\frown}{KL}$

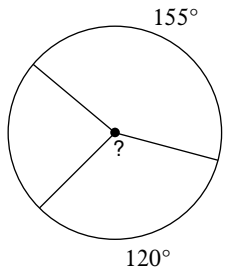


8) $\overset{\frown}{SVT}$ $\angle SQT$

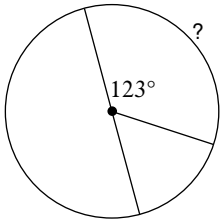


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

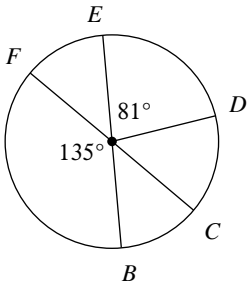
9) 120°



10) 123°

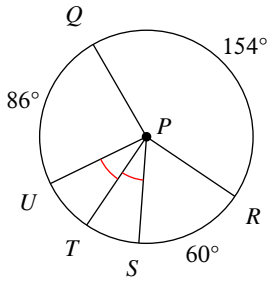


11) $m\widehat{CFD}$



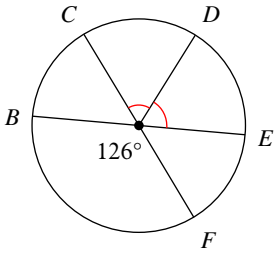
306°

12) $m\angle SPQ$



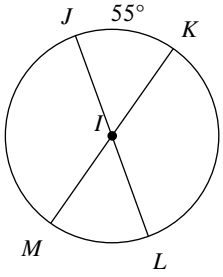
146°

13) $m\widehat{EFC}$



234°

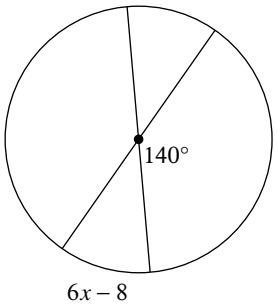
14) $m\angle MIJ$



125°

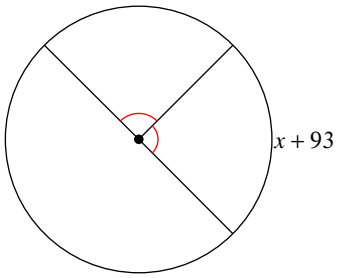
Solve for x. Assume that lines which appear to be diameters are actual diameters.

15)



8

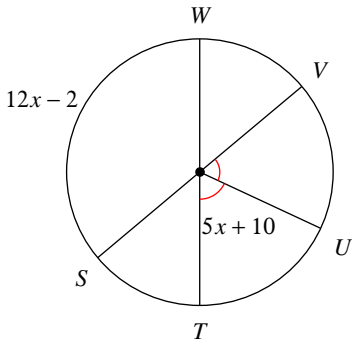
16)



–3

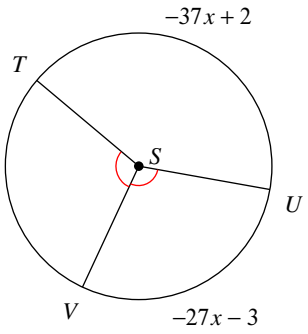
Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

17) $m\widehat{WV}$



50°

18) $m\angle VST$



105°