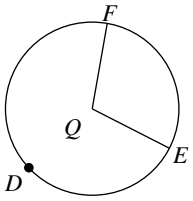
Arcs and Central Angles

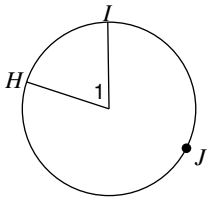
Date_____ Period____

Name the arc made by the given angle.

1) $\angle FQE$

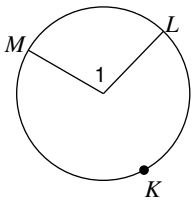


2) $\angle 1$

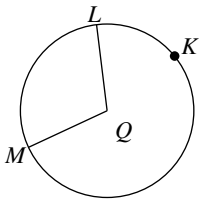


Name the central angle of the given arc.

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

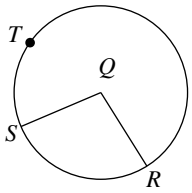


4) $\overset{\frown}{ML}$

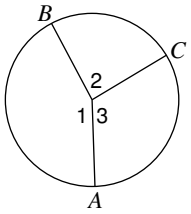


If an angle is given, name the arc it makes. If an arc is given, name its central angle.

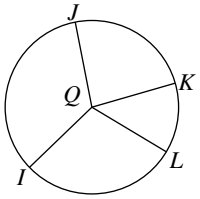
5) $\overset{\frown}{RS}$



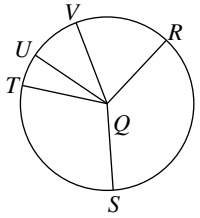
6) Major arc for $\angle 1$



7) $\angle KQL$

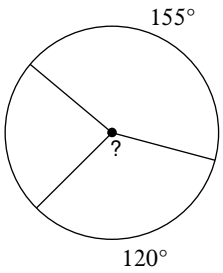


8) $\overset{\frown}{SVT}$

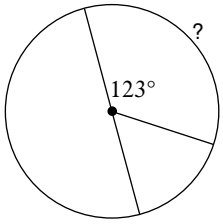


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

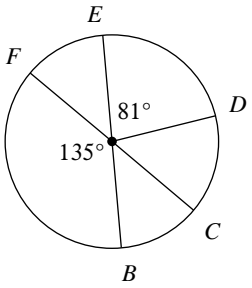
9)



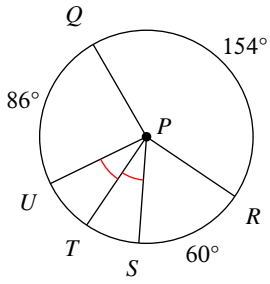
10)



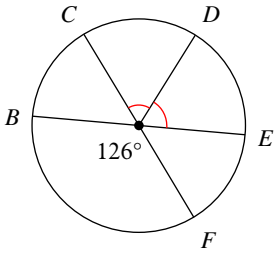
11) $m\widehat{CFD}$



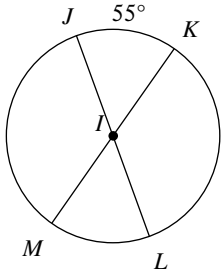
12) $m\angle SPQ$



13) $m\widehat{EFC}$

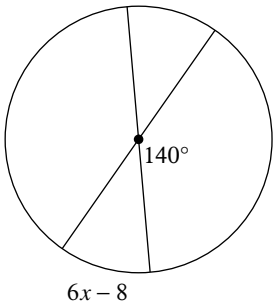


14) $m\angle MIJ$

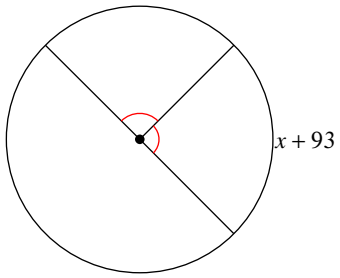


Solve for x. Assume that lines which appear to be diameters are actual diameters.

15)

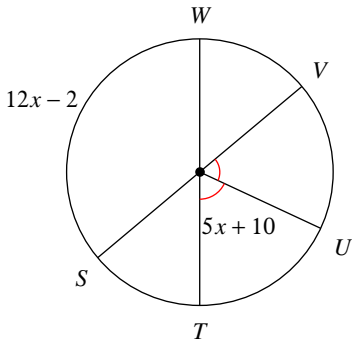


16)

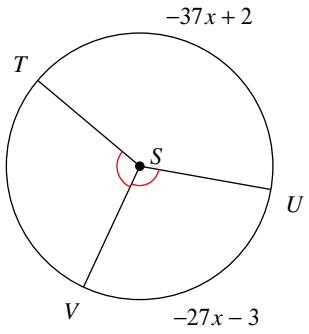


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

17) $m\widehat{WV}$



18) $m\angle VST$



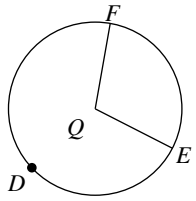
Kuta Software - Infinite Geometry Name_____

Arcs and Central Angles

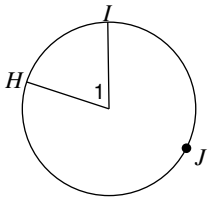
Date_____ Period____

Name the arc made by the given angle.

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

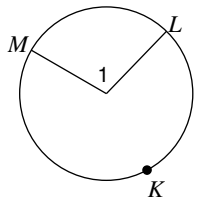


2) $\angle 1$ $\overset{\frown}{HI}$

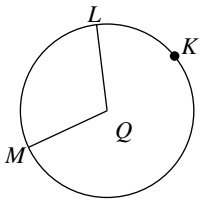


Name the central angle of the given arc.

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

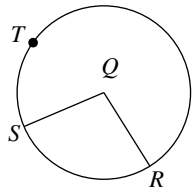


4) $\overset{\frown}{ML}$ $\angle MQL$

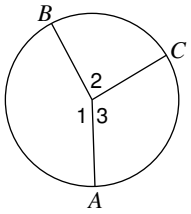


If an angle is given, name the arc it makes. If an arc is given, name its central angle.

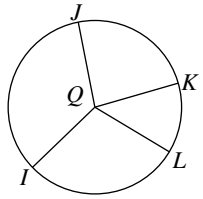
5) $\overset{\frown}{RS}$ $\angle RQS$



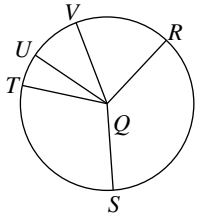
6) Major arc for $\angle 1$ $\overset{\frown}{ACB}$



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

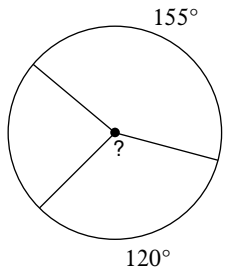


8) $\overset{\frown}{SVT}$ $\angle SQT$

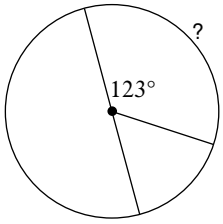


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

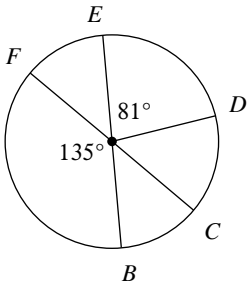
9) 120°



10) 123°

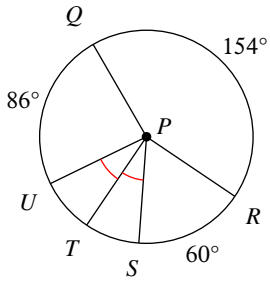


11) $m\widehat{CFD}$



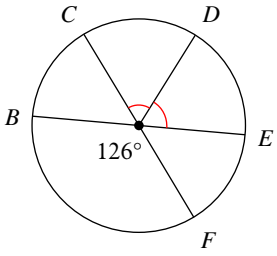
306°

12) $m\angle SPQ$



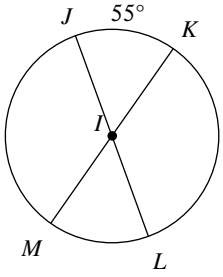
146°

13) $m\widehat{EFC}$



234°

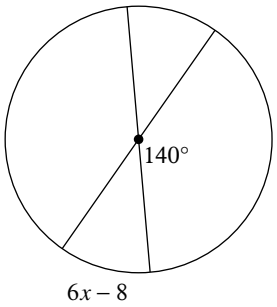
14) $m\angle MIJ$



125°

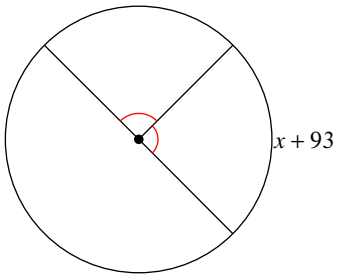
Solve for x. Assume that lines which appear to be diameters are actual diameters.

15)



8

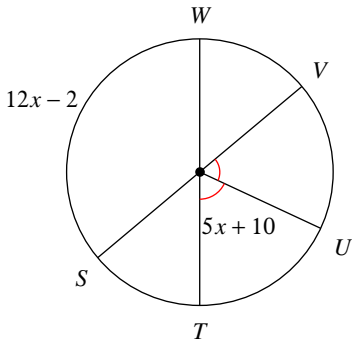
16)



–3

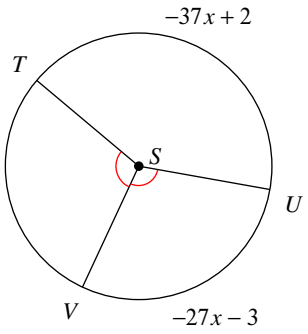
Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

17) $m\widehat{WV}$



50°

18) $m\angle VST$



105°