

Name : _____

Score : _____

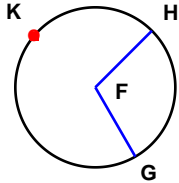
Teacher : _____

Date : _____

Arcs and Central Angles

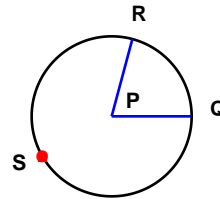
Name the arc made by the given angle.

1)



$\angle GFH$

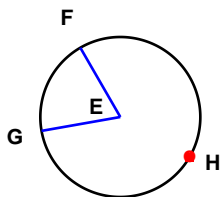
2)



$\angle QPR$

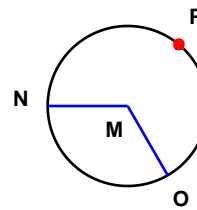
Name the central angle of the given arc.

3)



\widehat{FG}

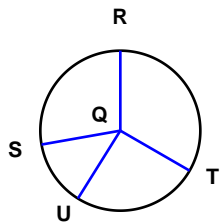
4)



\widehat{NO}

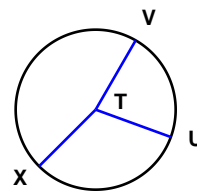
Find the measure of the arc or central angle indicated.

5)



$\widehat{SR} = 100^\circ$
 $\angle SQR = \underline{\hspace{2cm}}^\circ$

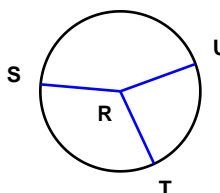
6)



$\widehat{XUV} = 195^\circ$
 $\angle UTX = 115^\circ$
 $\angle VTU = \underline{\hspace{2cm}}^\circ$

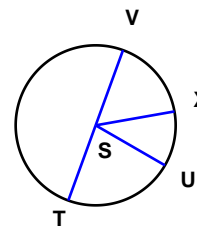
Solve for x.

7)



$\angle TRU = 85^\circ$
 $\widehat{TSU} = \underline{2x+1}^\circ$
 $x = \underline{\hspace{2cm}}$

8)



$\angle UST = 80^\circ$
 $\widehat{UT} = \underline{8x}^\circ$
 $x = \underline{\hspace{2cm}}$



Name : _____

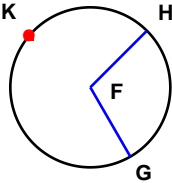
Score : _____

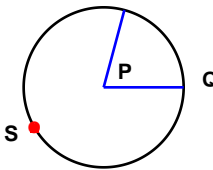
Teacher : _____

Date : _____

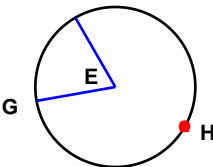
Arcs and Central Angles

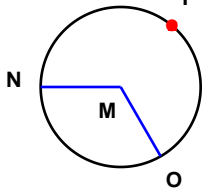
Name the arc made by the given angle.

1)  $\angle GFH$
 \widehat{GH}

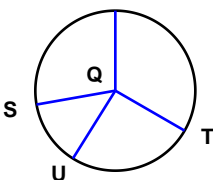
2)  $\angle QPR$
 \widehat{QR}

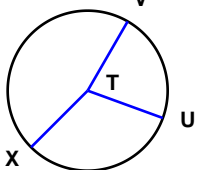
Name the central angle of the given arc.

3)  \widehat{FG}
 $\angle FEG$

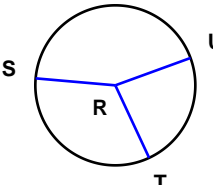
4)  \widehat{NO}
 $\angle NMO$

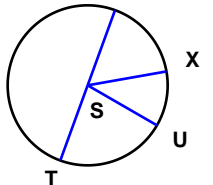
Find the measure of the arc or central angle indicated.

5)  $\widehat{SR} = 100^\circ$
 $\angle SQR = \underline{100}^\circ$

6)  $\widehat{XUV} = 195^\circ$
 $\angle UTX = 115^\circ$
 $\angle VTU = \underline{80}^\circ$

Solve for x.

7)  $\angle TRU = 85^\circ$
 $\widehat{TSU} = \underline{2x+1}^\circ$
 $x = \underline{137}$

8)  $\angle UST = 80^\circ$
 $\widehat{UT} = \underline{8x}^\circ$
 $x = \underline{10}$

