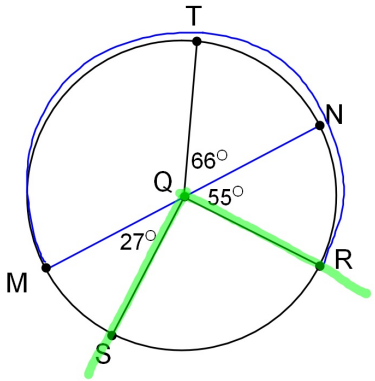
Bellwork Thursday, June 5, 2014

Use this Circle Q with diameter $\overline{MN}$.



1. Name a Semicircle.

$\overset{\frown}{MSP}$
$\overset{\frown}{MTN}$

2. Name two different major arcs.

$\overset{\frown}{MTR}$
$\overset{\frown}{RNM}$

3. Name two different minor arcs.

$\overset{\frown}{RS}$ $\overset{\frown}{TN}$

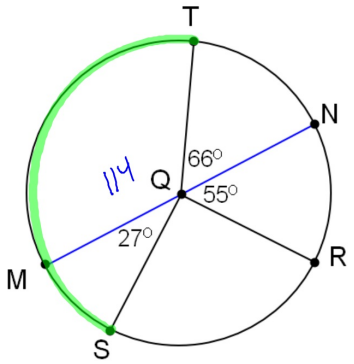
4. Name the central angle that intercepts $\overset{\frown}{RS}$.

$\angle RQS$

5. Find the measure of each arc:

a. $\overset{\frown}{TS} = 141^\circ$ b. $\overset{\frown}{STN} = 207^\circ$ c. $\overset{\frown}{NMT} = 294^\circ$

d. $\overset{\frown}{SR} = 98^\circ$ e. $\overset{\frown}{MTR} = 235^\circ$ f. $\overset{\frown}{NSM} = 180^\circ$



6. If NM = 14 inches find the circumference of the circle to the nearest hundredth.

$C = 2\pi r = 2\pi(7)$

$C = \pi d = \pi \cdot 14 = 43.98$ in