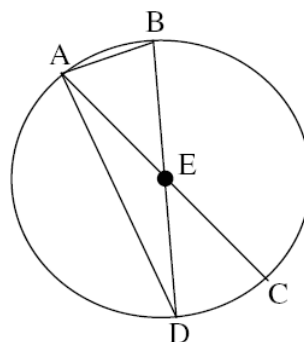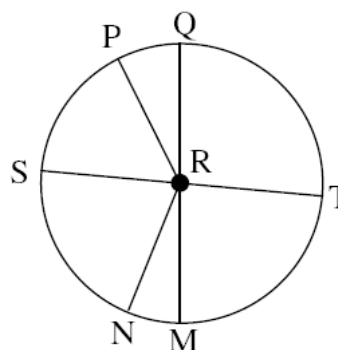**Name:** _____

Parts of a Circle

Exercise 1: Refer to the diagram to answer the following questions:

1) Name the circle.
2) Name a radius of the circle.
3) Name a chord of the circle.
4) Name a diameter of the circle.

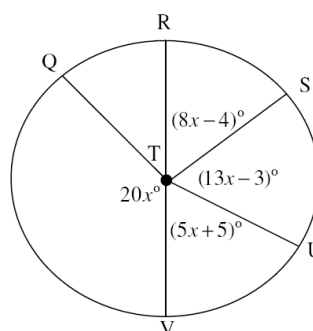**Exercise 2:** Given a circle with center R and diameters $\overline{ST}$ and $\overline{QM}$.

1) If ST = 18, find RS.
2) If RM = 24, find QM.
3) If RN = 2, find RP.

Exercise 3: In the diagram the circle with center T has $\overline{RV}$ as a diameter:
Find:

1) $m \angle RTS$
2) $m \angle QTR$
3) $m \angle VTS$
4) $m \angle QTU$

$(8x-4)^\circ$
$(13x-3)^\circ$
$20x^\circ$
$(5x+5)^\circ$

Exercise 4: In the circle with center P, $m \angle NPM = 46^0$, $\overrightarrow{PL}$ bisects $\angle KPM$, and $\overline{OP} \perp \overline{KN}$. Find:

1) OK
2) LM
3) JKO