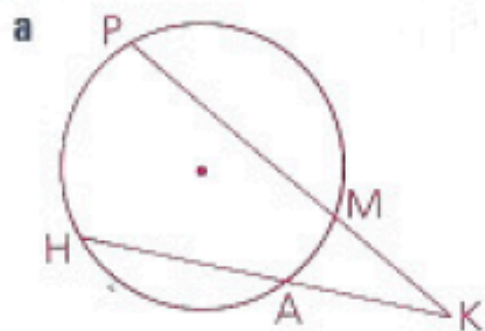


Homework

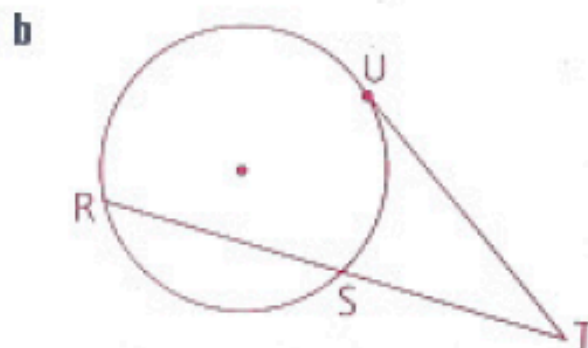
p. 474: 4, 5, 6, 18, 21

4 Vertex outside:



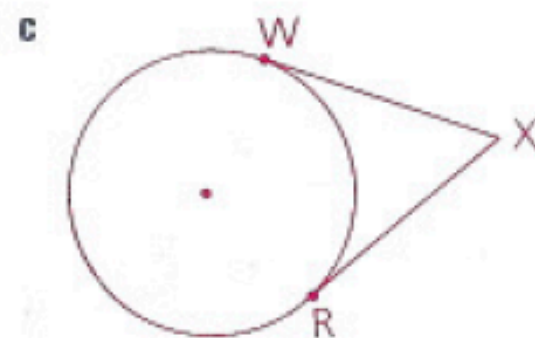
Given: $\widehat{HP} = 120^\circ$,
 $\widehat{AM} = 36^\circ$

Find: $m\angle K$



Given: \overline{TU} is tangent at U.
 $\widehat{RU} = 160^\circ$,
 $\widehat{SU} = 60^\circ$

Find: $m\angle T$

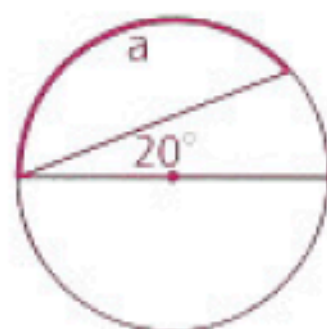


Given: W and R are points of contact.
 $\widehat{WR} = 140^\circ$

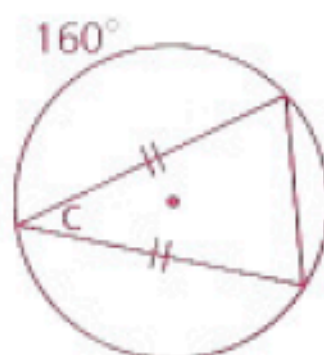
Find: $m\angle X$

5 Find the measure of each angle or arc that is labeled with a letter.

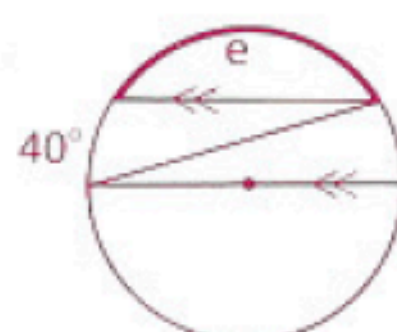
a



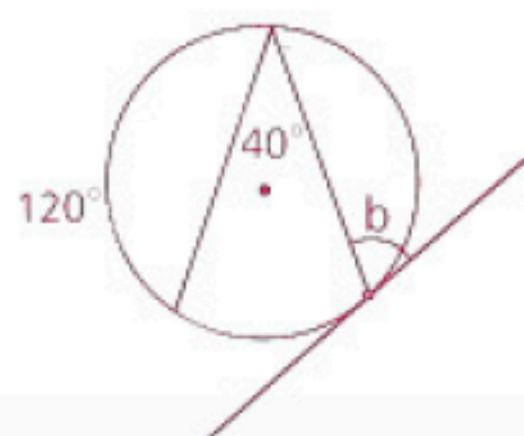
c



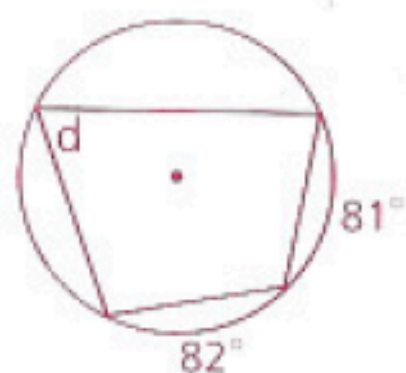
e



b

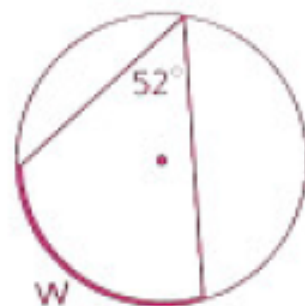


d

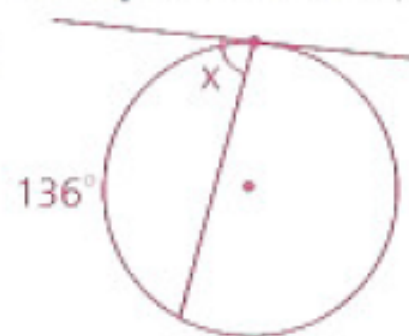


6 Find the measure of each angle or arc that is labeled with a letter.

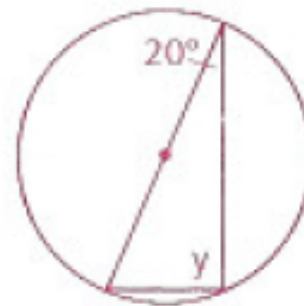
a



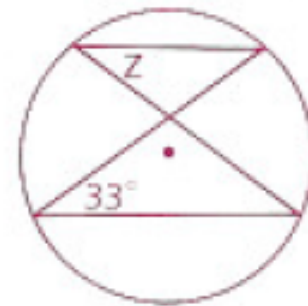
b



c

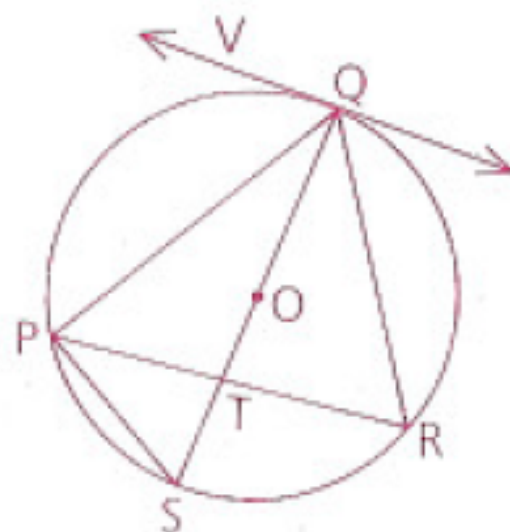


d



- 18** Given: \overleftrightarrow{VQ} is tangent to $\odot O$ at Q .
 \overline{QS} is a diameter of $\odot O$.
 $\widehat{PQ} = 115^\circ$; $\angle RPS = 36^\circ$

Find: **a** $\angle R$ **e** $\angle QPR$ **i** \widehat{PRQ}
b $\angle S$ **f** $\angle QPS$ **j** \widehat{RSP}
c \widehat{SR} **g** $\angle QTP$ **k** $\angle VQS$
d \widehat{QR} **h** $\angle PQV$ **l** $\angle QOP$



- 21** Find the measure of each arc or angle labeled with a letter.

