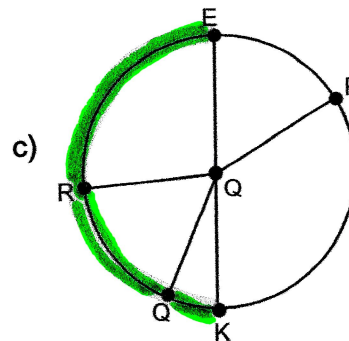
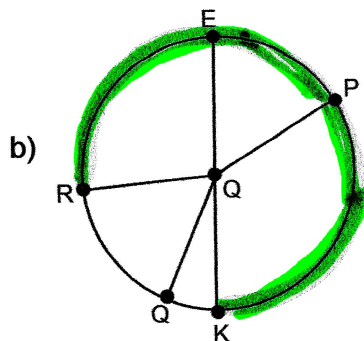
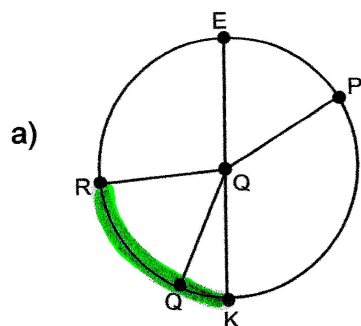
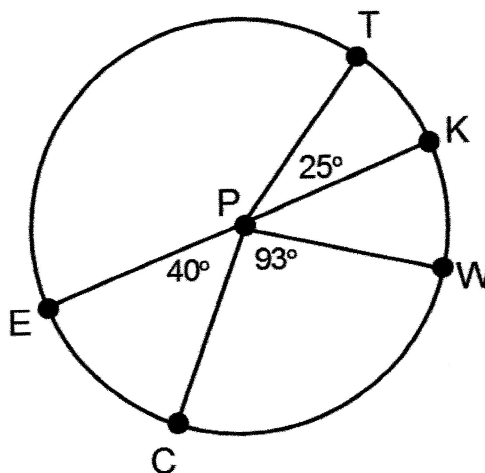


$\overline{EK}$ is a diameter in all circles.

1. Name each arc indicated on Circle Q with the appropriate letters.



2. Use circle P to find the measure of each arc.



a) $m\widehat{CK} =$

b) $m\widehat{ET} =$

c) $m\widehat{KTE} =$

d) $m\widehat{TWE} =$

e) $m\widehat{EKW} =$

3. Use circle P from problem #2 to fill in the blanks.

a) $\widehat{EC} + \widehat{CT} =$

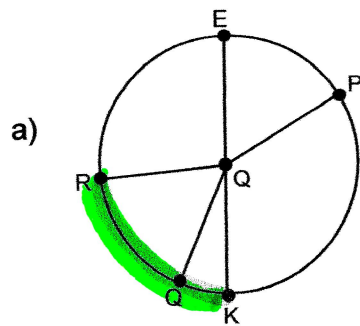
b) $\widehat{WT} + \widehat{TE} =$

c) $\widehat{KCE} - \widehat{WE} =$

d) $\widehat{TEK} - = \widehat{CK}$

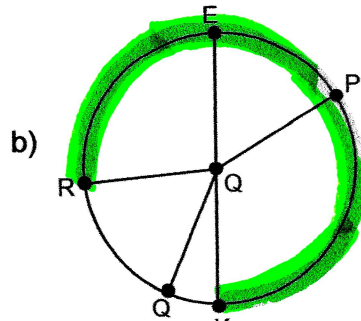
$\overline{EK}$ is a diameter in all circles.

1. Name each arc indicated on Circle Q with the appropriate letters.



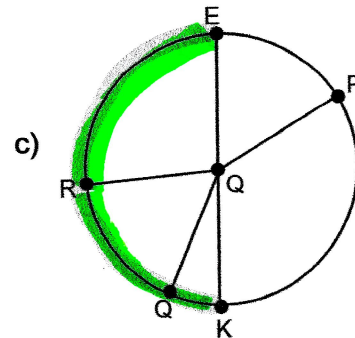
2 possible answers

$\widehat{RK}$ or $\widehat{KR}$



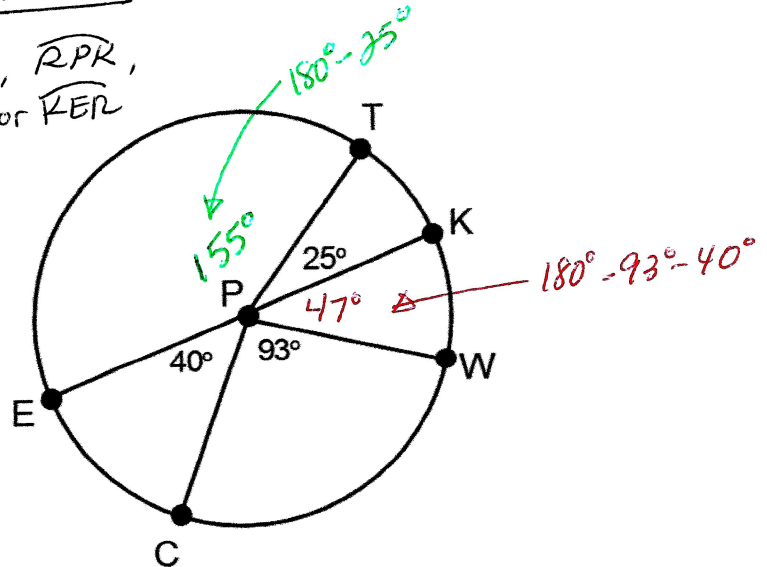
4 possible answers

$\widehat{REK}$, $\widehat{RPK}$,
 $\widehat{KPR}$, or $\widehat{KER}$



4 possible answers
 $\widehat{ERK}$, $\widehat{EQK}$,
 $\widehat{KQE}$, or $\widehat{KRE}$

2. Use circle P to find the measure of each arc.



a) $m\widehat{CK} = 140^\circ$
 $93^\circ + 47^\circ$

b) $m\widehat{ET} = 155^\circ$

c) $m\widehat{KTE} = 180^\circ \rightarrow \text{semicircle}$

d) $m\widehat{TWE} = 205^\circ$
 $25^\circ + 47^\circ + 93^\circ + 40^\circ$
OR
 $360^\circ - 155^\circ$

e) $m\widehat{EKW} = 227^\circ$

$155^\circ + 25^\circ + 47^\circ$
OR
 $360^\circ - 40^\circ - 93^\circ$

3. Use circle P from problem #2 to fill in the blanks.

a) $\widehat{EC} + \widehat{CT} = \widehat{ECT}$ major arc so need 3 letters

b) $\widehat{WT} + \widehat{TE} = \widehat{WTE}$ also a major arc

c) $\widehat{KCE} - \widehat{WE} = \widehat{KW}$ minor arc only needs 2 letters

d) $\widehat{TEK} - \widehat{TEC} = \widehat{CK}$ major arc