

Homework

p. 454: 1 - 4

- 1 Match each item in the left column with the correct term in the right column.

a \widehat{QRS}

b \overline{QS}

c \widehat{RQS}

d \widehat{RS}

e \overline{RS}

f $\angle RPQ$

g \overline{PS}

1 Radius

2 Diameter

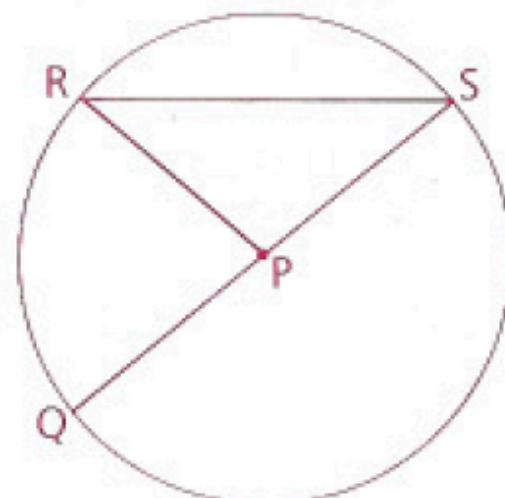
3 Chord

4 Minor arc

5 Major arc

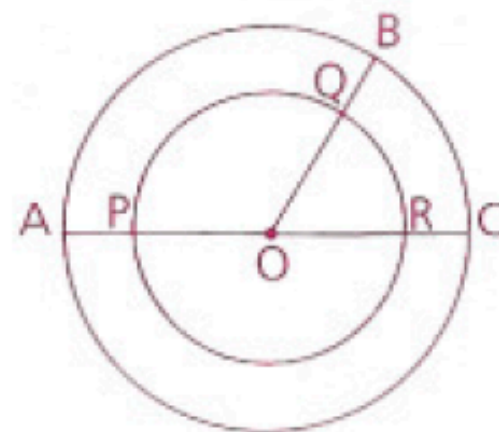
6 Semicircle

7 Central angle



- 2 Given: Two concentric circles with center O;
 $\angle BOC$ is acute.

- a Name a major arc of the smaller circle.
- b Name a minor arc of the larger circle.
- c What is $m\widehat{BC} + m\widehat{PQ}$?
- d Which is greater, $m\widehat{BC}$ or $m\widehat{PQ}$?
- e Is \widehat{BC} congruent to \widehat{QR} ?



3 In circle E, find each of the following.

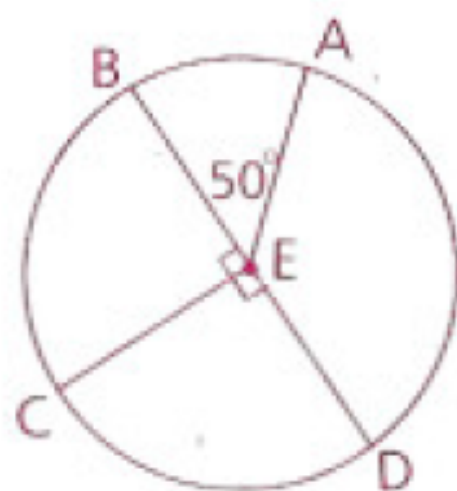
a $m\widehat{BC}$

c $m\widehat{ACD}$

e $m\widehat{ADC}$

b $m\widehat{AD}$

d $m\widehat{BAD}$



4 Given: $\odot Q$, $\angle A = 25^\circ$

Find: $m\widehat{AB}$

