Bellwork 03/09/2012

Give the name that best describes the figure.

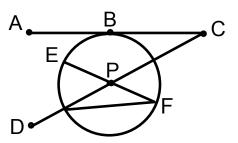
1. CD

Secant

2. AB Tangent

3. FE

Diameter 4. EP Radius



Geometry 10.2 Find Arc Measures Standard(s): 3, 4

Vocabulary:

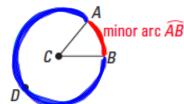
Central Angle: An angle whose vertex is the center of the circle.

Semicircle: An arc with endpoints that are the endpoints of the diameter.

Minor Arc: An arc of a medicine ress than 186

ex. ∠ACB would

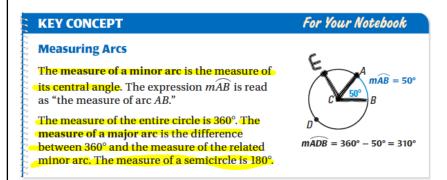
Major Arc: An arc of a comajor arc ADB or equal to 180°.



ater than

Major arcs are named by their endpoints and a point on the arc.

ex. ∠ACB would be named ADB



Adjacent Arcs: Two arcs of the same circle that share a common endpoint.

Congruent Circles: Two circles with the same radius.

Congruent Arcs: Two arcs with the same measure of the same circle or congruent circles.

Identify Arcs

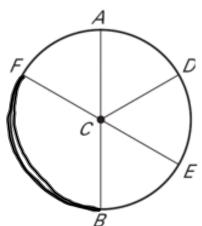
AB and FE are diameters of circle C. Determine whether the given arc is a minor arc, major arc, or semicircle.

AE Minor BDA Semi

AEB Semi FDE Semi

DFB Major FA Minor

BE MINOR FB MINOR



Find Arc Measures

In circle O, MQ and NR are diameters. Find the indicated measure.

MN

QR 70°

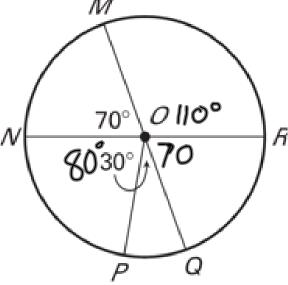
NQ

110° MR 110°

NQR 180° QMR 290°

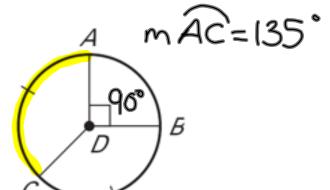
MRP 210" PQ 30"

PRN 280" QMN 250"

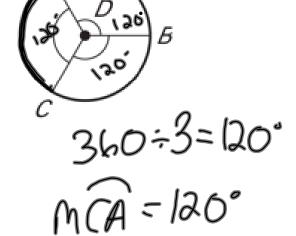


Arc Measures Cont.

Find \widehat{mAC} .

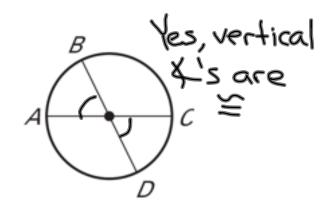


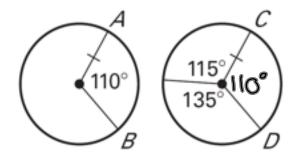
Find \widehat{mCA} .



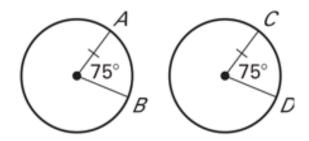
Congruent Arcs

Tell whether $\widehat{\mathsf{AB}} \cong \widehat{\mathsf{CD}}$. Explain.

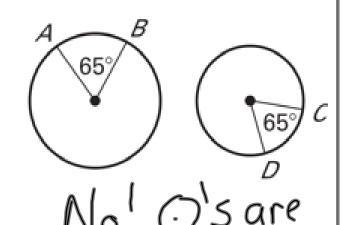




Jes, det oct =



Ves, def. of =



Homework Assignment Worksheet 10.2B

March 09, 2012

Lesson 10.2