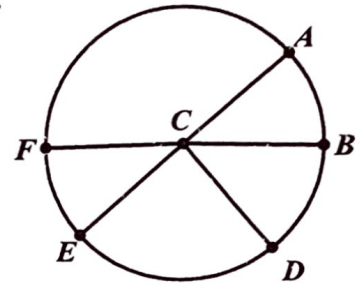


Math 3: Modeling with Trigonometric Functions – Arcs & Angles Practice Exit Ticket Day 2

In circle C, \overline{EA} and \overline{FB} are diameters. $\overline{EA} \perp \overline{CD}$. Identify the following.

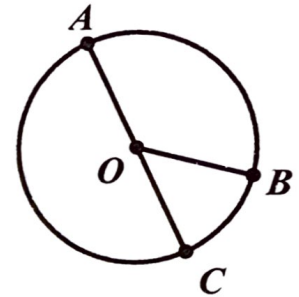
- a) Two major arcs $\widehat{AED}, \widehat{BFA}$
- b) Two minor arcs $\widehat{AB}, \widehat{ED}$
- c) Two semicircles $\widehat{AFE}, \widehat{ABE}$
- d) A pair of adjacent angles $\angle ACB, \angle BCD$
- e) An acute central angle $\angle ACB$
- f) An obtuse central angle $\angle ACF$

(ANSWERS MAY VARY)



Identify the following in Circle O.

- a) \overline{AC} diameter
- b) \widehat{AB} minor arc
- c) \widehat{ABC} semicircle
- d) \widehat{ACB} major arc
- e) \overline{OB} radius
- f) $\angle BOC$ central angle



Give $m\angle AOD = 50^\circ$

Answer the following using the information in Circle O.

- a) Find the measure of $\widehat{AD}, \widehat{CE}, \widehat{AC}$ 50, 50, 130
- b) Identify the semicircles $\widehat{DAC}, \widehat{DEC}, \widehat{ACE}, \widehat{ADE}$
- c) What is the measure of a semicircle? 180°
- d) Find the measure of $\widehat{ACD}, \widehat{DAE}$ $310^\circ, 230^\circ$

