

# Bellwork

1. Name each of the following:

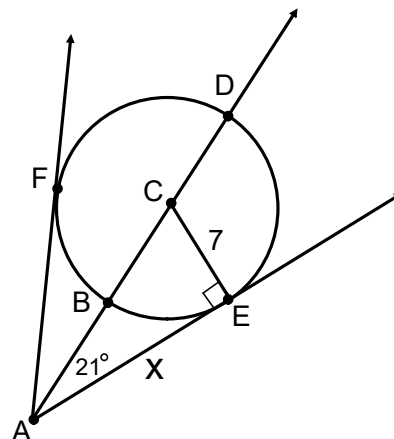
radius:

diameter:

chord:

secant:

tangent:

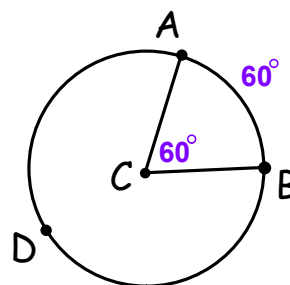


2. Find the measure of  $\widehat{BD}$ ,  $\widehat{AC}$  and  $\widehat{AF}$ .

hint: solve for x first

A **central angle** of a circle is an angle whose vertex is the center of the circle. The endpoints of the angle intercept an **arc**. The measure of the arc is the measure of its central angle.  $m\widehat{AB}$  is read as "the measure of arc AB."

If  $m\angle ACB = 60^\circ$ , then  $m\widehat{AB} = 60^\circ$



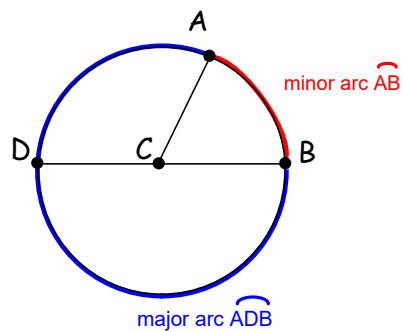
## Ch 11 Day 2 Arcs

A **minor arc** is an arc with a measure less than  $180^\circ$ .

A **major arc** is an arc with a measure greater than  $180^\circ$ .

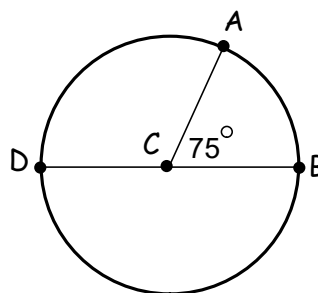
A **semicircle** is an arc whose measure is  $180^\circ$ .

\*The endpoints of a semicircle are the endpoints of a diameter.



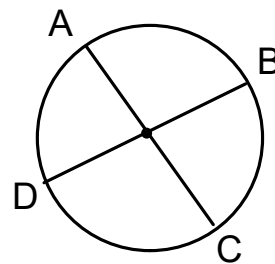
Find the measure of  $\widehat{AB}$ ,  $\widehat{AD}$ ,  $\widehat{BD}$  and  $\widehat{ADB}$ .

Then state if the arc is minor, major or a semicircle.



## Ch 11 Day 2 Arcs

- ★ Two arcs are congruent arcs if they have the same measure and they are arcs of the same circle or congruent circles.



Name 2 congruent arcs.

Find the measure of each arc.

