

Follow the steps below: (This will be turned in for class work)

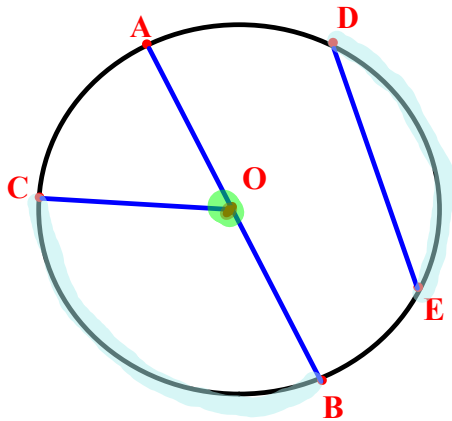
- 1) Draw a circle.**
- 2) Put a point in the center of the circle & label it point O.**
- 3) Draw a diameter of the circle. Label the 2 endpoints A & B.**
- 4) Draw a radius of the circle. Label the endpoint C.**
- 5) Draw a chord. Label the endpoints D & E.**
- 6) Name an angle using 3 letters that is a central angle.**

Sec. 7.8

Circles

Circle: set of points in a plane that are all the same distance from a given point

Circle O



Radius: segment that connects the center of a circle to the circle

OA or OB
OC

Diameter: segment that passes through the center of a circle & has both endpoints on the circle

AB

Chord: segment that has both endpoints on the circle

DE or AB

Central Angle: an angle with its vertex at the center of a circle

< AOC
< COB

< AOB

Arc: part of a circle

What is a semicircle? *1/2 circle*

Minor Arc:

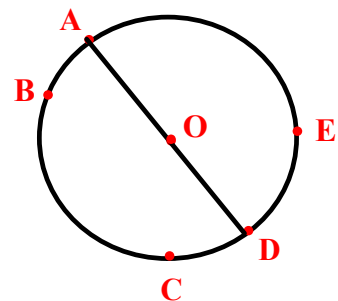
- less than a semicircle
- less than 180°
- named using 2 points ☆

Semicircle:

- half a circle
- = 180°
- named using 3 points ☆

Major Arc:

- more than a semicircle
- more than 180° , less than 360°
- named using 3 points ☆



Semicircle: *same*

AED, ACD, ABD

Minor:

AE CD
AB
AC

Major:

ACE
ADC
AEB

Homework:
p.385, # 1-21, all