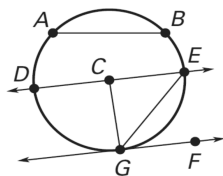| Term	Picture	Definition
Circle	•P	A circle is a set of all points in a plane that are equidistant from a given point called the center of a circle. Circles are named by their center. Ex. Circle P
Radius		The distance from the center of a circle to any point on the edge of the circle. The radius is half the diameter.
Diameter		The diameter is a chord that goes through the center of the circle. The diameter is 2 times the radius.

Term	Picture	Definition
Chord		A chord is a line segment that touches 2 points on a circle.
Secant		A secant is a line or segment that goes through the circle, touching the circle's edge at 2 points.
Tangent		A tangent is a line or segment that intersects the edge of a circle at exactly 1 point which is called the point of tangency.

Term	Picture	Definition
Minor Arc		A minor arc is a portion of a circle's circumference that measures less than 180°.
Major Arc		A major arc is a portion of a circle's circumference that measures more than 180°.
Semicircle		A semicircle is a portion of a circle's circumference that measures exactly 180°. It is 1/2 of a circle.

EXAMPLE 1 *Identifying Special Segments and Lines*

Tell whether the line or segment is best described as a *chord*, a *secant*, a *tangent*, a *diameter*, or a *radius* of $\odot C$.

$\overline{XX}$ segment
$\overleftrightarrow{XX}$ line

a. $\overline{HC}$ radius

b. $\overleftrightarrow{DG}$ Tangent

c. $\overline{BE}$ chord

d. $\overleftrightarrow{AF}$ secant

e. $\overline{BH}$ diameter

Exercises for Example 1

In Exercises 1–8, tell whether the line or segment is best described as a *chord*, a *secant*, a *tangent*, a *diameter*, or a *radius* of $\odot C$.

1. $\overline{AB}$ chord
2. $\overline{DC}$ radius
3. $\overleftrightarrow{FG}$ tangent
4. $\overline{EG}$ chord
5. $\overleftrightarrow{DE}$ secant
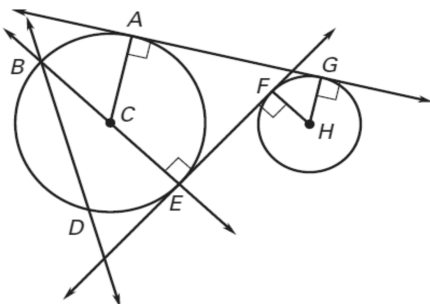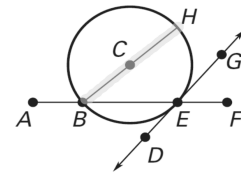6. $\overline{DE}$ diameter
7. $\overline{CG}$ radius
8. $\overline{EC}$ radius
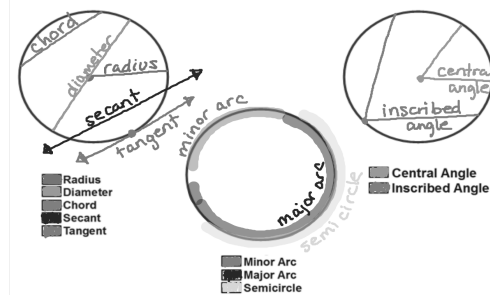
Circle Graphic:
Using markers, colored pencils, or crayons...
Draw and label the following on your circle.

Parts of a Circle

Radius	Central Angle
Diameter	Inscribed Angle
Chord	
Secant	
Tangent	

Minor Arc
Major Arc
Semicircle

Match the notation with the term that best describes it.   **TOTD**

9. F
10. $\overleftrightarrow{FE}$
11. $\overline{HG}$
12. $\overline{DB}$
13. C
14. $\overline{BE}$
15. $\overleftrightarrow{DB}$
16. $\overrightarrow{AG}$