

1. Name each of the following parts of the circle shown.

a. Center \_\_\_\_\_

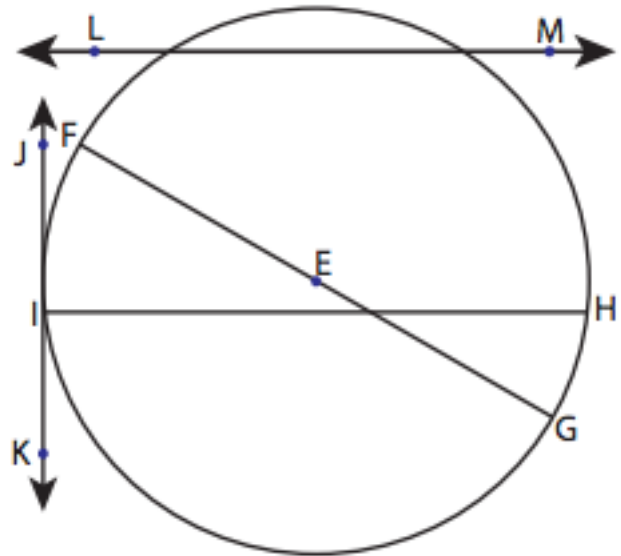
b. Radius \_\_\_\_\_

c. Chord \_\_\_\_\_

d. Diameter \_\_\_\_\_

e. Secant \_\_\_\_\_

f. Tangent \_\_\_\_\_



2. Fill in the blanks to complete the statements. All of the parts of the circle given in #1 will be used once.

a. A \_\_\_\_\_ is a chord that passes through the center of the circle.

b. The distance from the point on the circle to the center is the \_\_\_\_\_ of the circle.

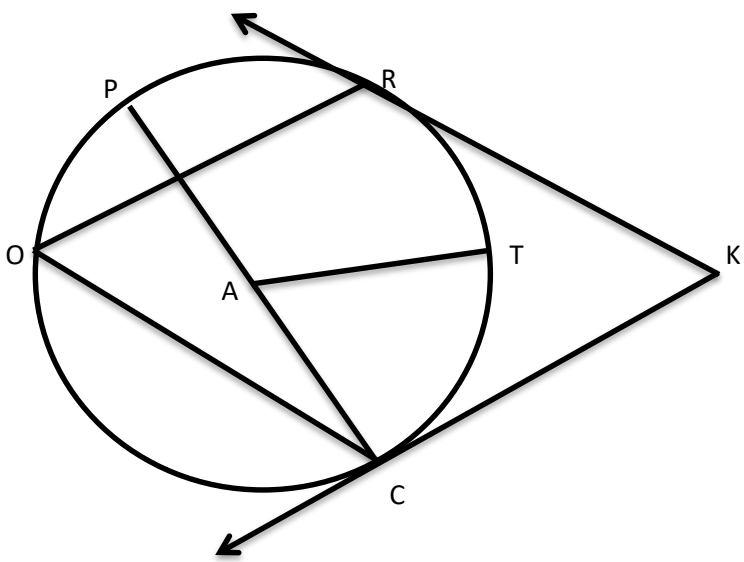
c. A \_\_\_\_\_ is a line that intersects a circle at exactly one point.

d. \_\_\_\_\_ is the given point equidistant from all points on a circle.

e. A \_\_\_\_\_ is a line that intersects a circle at exactly two points.

f. A \_\_\_\_\_ is a line segment with each endpoint on the circle.

3. Use Circle A to match each of the following vocabulary terms on the top with the corresponding notation on the bottom.



- a. Central Angle \_\_\_\_\_
- b. Inscribed Angle \_\_\_\_\_
- c. Circumscribed Angle \_\_\_\_\_
- d. Major Arc \_\_\_\_\_
- e. Minor Arc \_\_\_\_\_
- f. Semicircle \_\_\_\_\_

$\widehat{OR}$      $\angle TAC$      $\angle RKC$   
 $\widehat{OCR}$      $\widehat{RKC}$      $\widehat{POC}$   
 $\angle ACO$      $\angle COR$

4. Complete the below statements by inserting the appropriate vocabulary terms from the word pool.

Word bank: angle, arc, center, central angle, chord, circumscribed angle, diameter, inscribed angle, line, line segment, major arc, minor arc, radius, secant, semicircle, tangent.

- a. A \_\_\_\_\_ must be named with three points and must be larger than a semicircle.
- b. An inscribed angle must have its vertex on the circle and its sides must both be \_\_\_\_\_(s).
- c. A circumscribed angle must have its vertex outside the circle and its sides must both be \_\_\_\_\_(s).
- d. An angle formed by two radii with the vertex at the center is called a \_\_\_\_\_.
- e. A \_\_\_\_\_ is exactly half of a circle.
- f. A \_\_\_\_\_ is an arc that is smaller than half the circle.