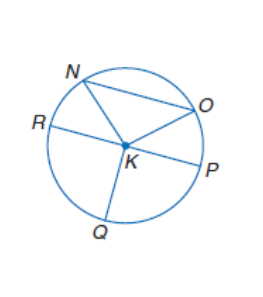
Parts of Circle Notes

Now you try ….

 Example 1.

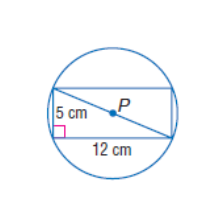
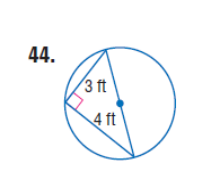
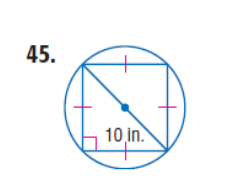
Name the circle:

Name a radius:

Name a diameter:

Radius = diameter Diameter =

Directions: Find the diameter, radius, circumference and area.

Ex. 2. Ex. 3. Ex. 4.

d=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ d=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ d=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

r=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ r=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ r=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

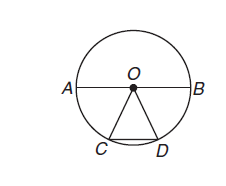
C=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ C=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ C=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ A=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ A=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Ex. 5. Find the radius and diameter when the circumference is 22π.

d=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

r=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

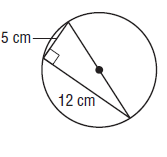
****

1. Parts of A Circle Independent Practice:

a. Name the circle. b. Name the radii of the circle.

c. Name the chords of a circle. d. Name the diameter of the circle.

Directions: Find the diameter, radius, circumference and area.

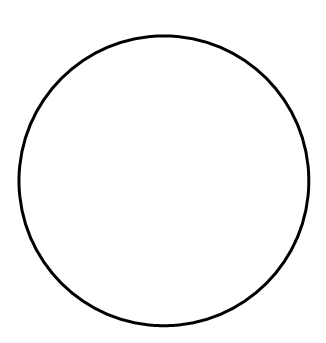
2.

d=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ r=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ C=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ A=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

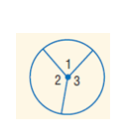
3. Find the circumference of a circle with the radius of r=3. Use exact values.

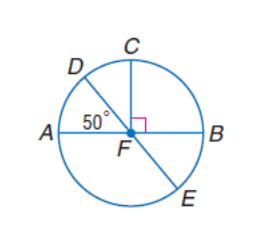
4. If the radius of a circle is 4 what is the diameter and what is the circumference?

5. If the diameter of a circle is 6, find the radius and circumference.

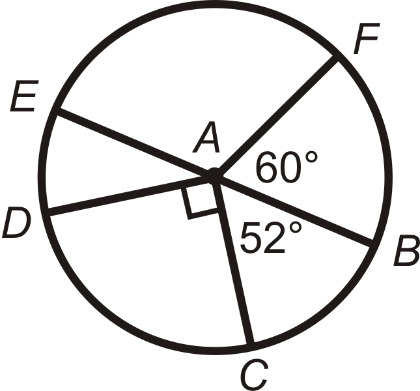
**What is the Central Angle?**

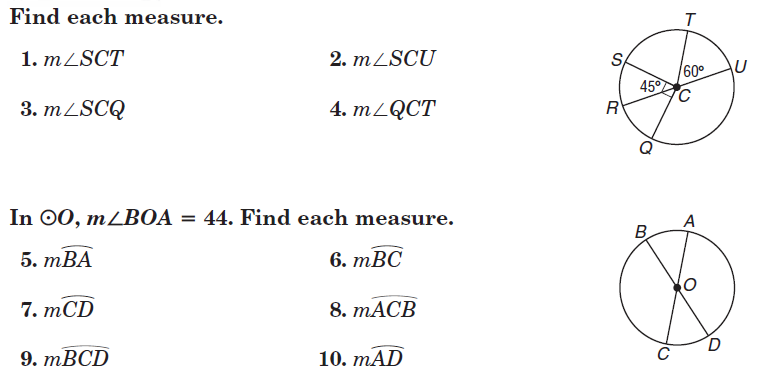
The sum of the measures of the central angle of a

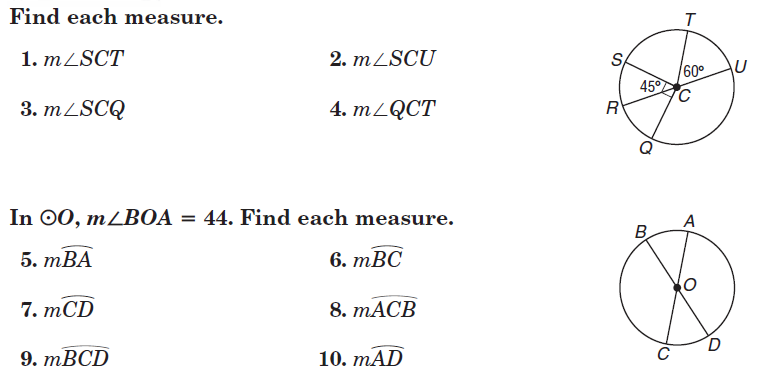
****circle, with no interior points in common, is \_\_\_\_\_\_\_\_\_\_.

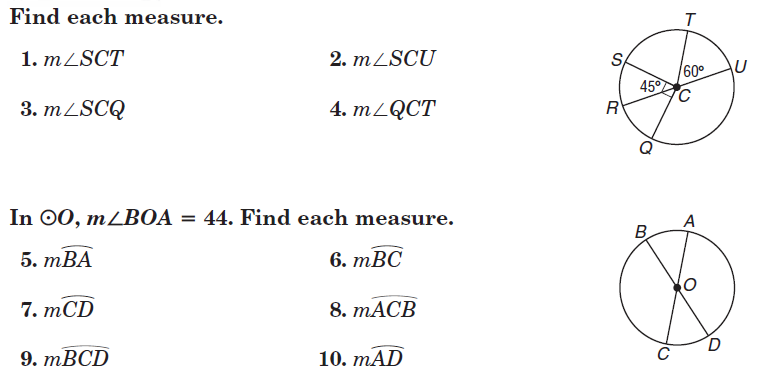
Example 6. **Arc Measure**: Find the

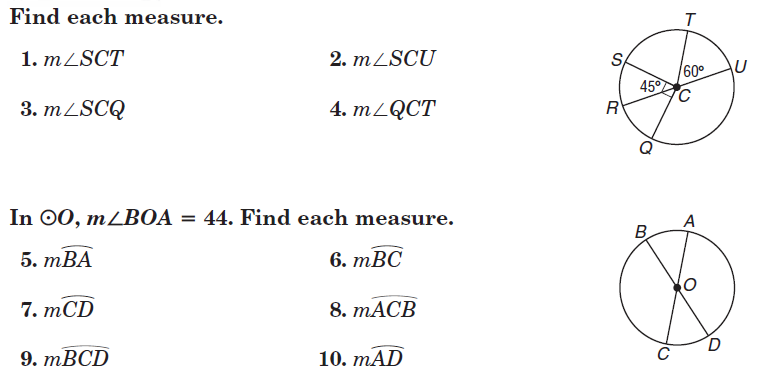
Example 7. Find the measure of each arc.

[](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwjLgJKBxe_SAhVhxYMKHbTsAvkQjRwIBw&url=http://www.bongiornos.info/mngzrif-arcs-and-sectors-worksheet.asp&psig=AFQjCNGHNEzpQuTQzb4HtdevHcAHVm2-gg&ust=1490458547830157)

Arc Measure Independent Practice:



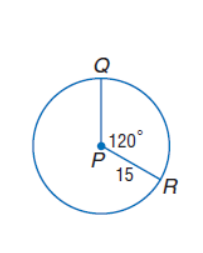




Recall: Arc Length.

With your shoulder partner, describe what arc length is and how you find it. Record your answers here.

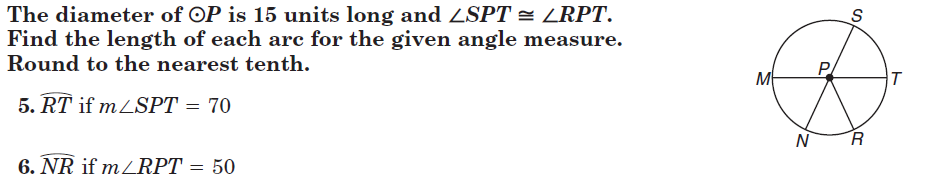
Example 8: Find length of



Arc Length =

Review of all concepts! (Together)

Example 9: If , the radius is 7.5cm. Find the following:



Name a diameter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name a radius: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

D = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the circumference: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

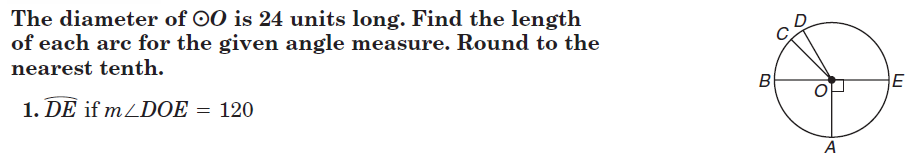
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the arc length of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the arc length of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Review: Independent Practice:

1. If , , the radius is 12cm. Find the following:



Name a diameter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name a radius: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

D = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the circumference: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the arc length of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the arc length of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the arc length of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the arc length of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_