Quiz Review

Section 1: Vocabulary

Fill in the blank with the appropriate term. There is a word bank below.

1) A _____ is the set of all points equidistant from a given point, called the center.

2) The distance from the center point to a point on the circle is called the _____.

3) When a line intersects a circle in two places, it is called a _____ line.

4) When a line intersects a circle in exactly one place, it is called a _____ line.

5) The diameter is _____ the length of the radius.

6) The a chord that goes through the center point of the circle will be the longest chord in that circle, its called the _____ .
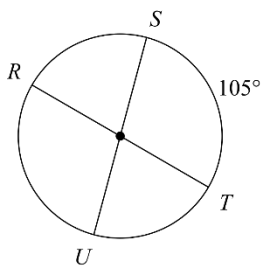
> **Word bank, the term can only be used on time. Not all terms will be used:** Radius, diameter, chord, secant, tangent, circle, circumference, double, half.
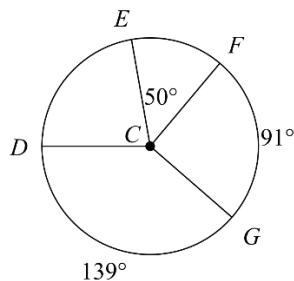

Section 2: Central angles.

Find the Measure of the requested arc or angle

> **FORMULA:**
>
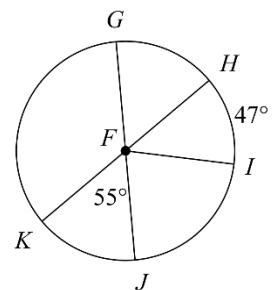> mCentral Angle = m Arc

7) $m\widehat{RS}$

8) $m\angle DCE$

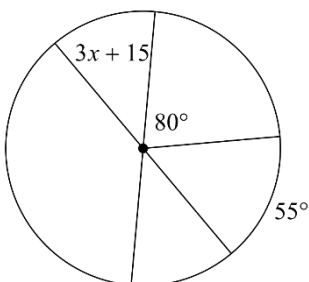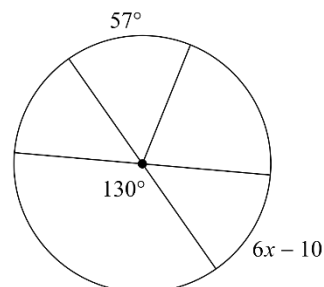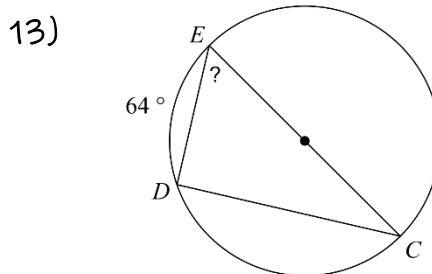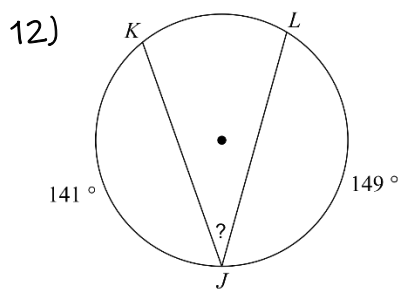9) $m\angle GFI$

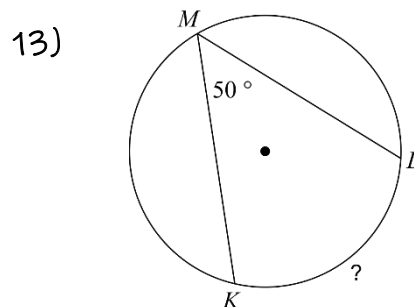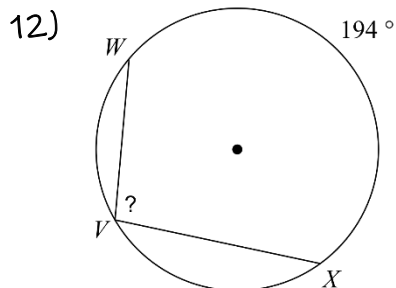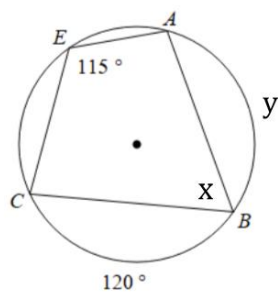For 10 and 11, solve for x

10)

11)

Section 3: Inscribed Angles and Inscribed Polygons

FORMULA:

$$\text{mInscribed Angle} = \frac{\text{m Arc}}{2}$$

Find the measure of the requested angle or arc.

12)

194°

W

?

V

X

13)

M

50°

L

K

?

12)

K   L

141°   149°

?

J

13)

E

?

64°

D

C

14) Solve for x and y

E   A

115°

y

C   x   B

120°

15) Solve for x:

Q

R   76°

12x + 8

P