Name_____

Central Angle HW

Date_____ Period_____

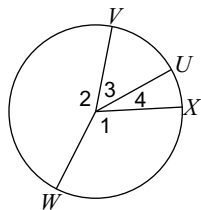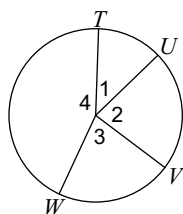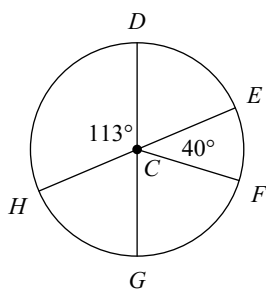**Name the arc made by the given angle.**

1) ∠4

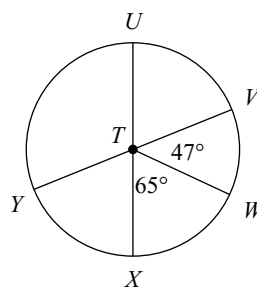**Name the central angle of the given arc.**

2) $\widehat{UV}$

Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.
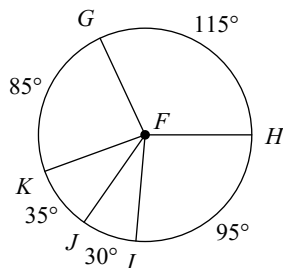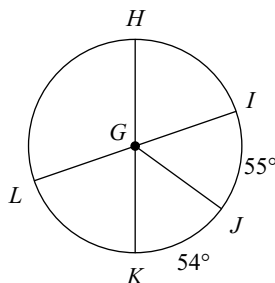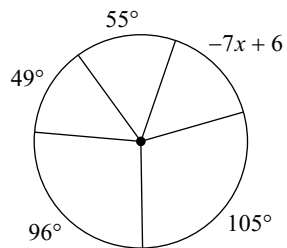
3) $m\angle FCG$
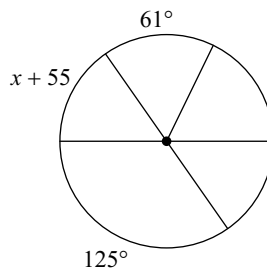

4) $m\angle YTU$

5) $m\angle IFK$

6) $m\angle JGL$

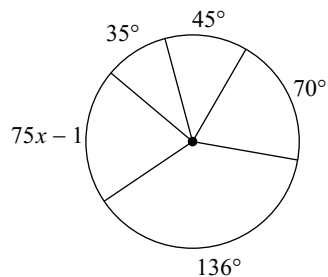**Solve for *x*. Assume that lines which appear to be diameters are actual diameters.**

7)

55°
−7x + 6
49°
96°
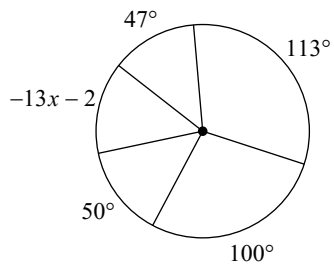105°

8)

61°
x + 55
125°

9)

45°
35°
70°
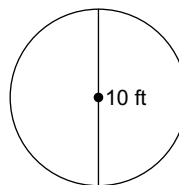75x − 1
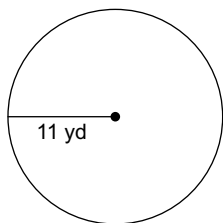136°

10)

47°
113°
−13x − 2
50°
100°

Find the circumference of each circle.

11)

9 cm

12)

10 ft

Find the area of each.

13)

11 yd

14)

6 cm