

Circle Review (Use Exact Values)

Find the radius of each circle.

1) diameter = 6 ft

2) diameter = 14 cm

Find the diameter of each circle.

3) radius = 2 cm

4) radius = 12 m

Find the circumference of each circle.

5) radius = 2 m

6) radius = 4 km

7) diameter = 12 yd

8) diameter = 16 m

Find the area of each.

9) radius = 11 mi

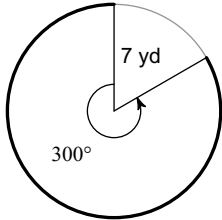
10) radius = 10 km

11) diameter = 6 mi

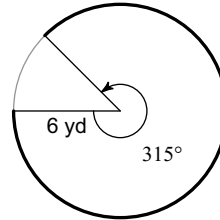
12) diameter = 22 in

Find the length of each arc.

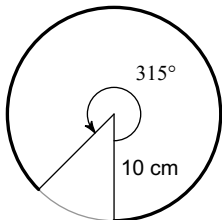
13)



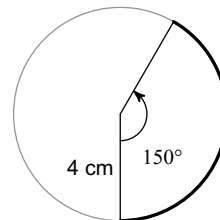
14)



15)

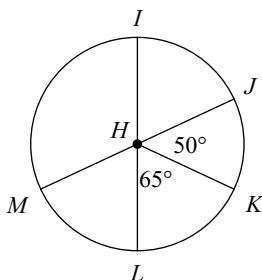


16)

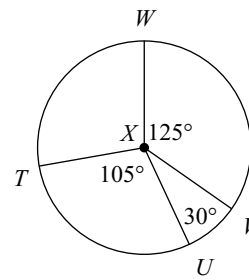


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

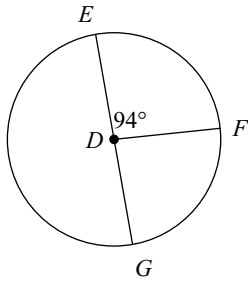
17)  $m\angle MHI$



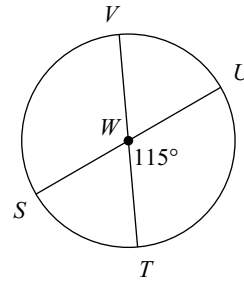
18)  $m\angle WXU$



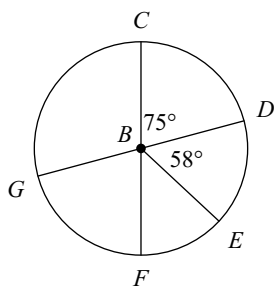
19)  $m\angle FDG$



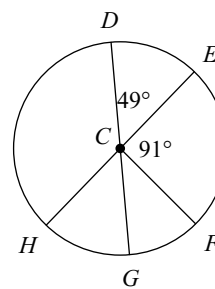
20)  $m\angle SWV$



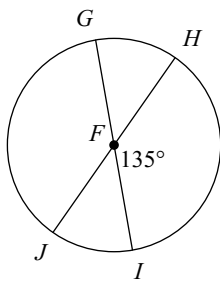
21)  $m\angle DBF$



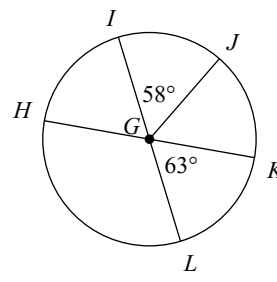
22)  $m\angle FCG$



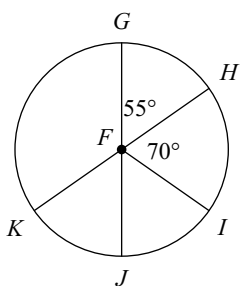
23)  $m\angle GFH$



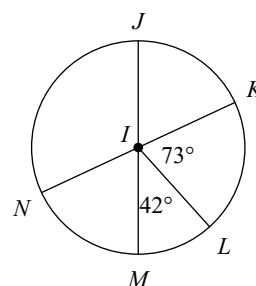
24)  $m\angle JGK$



25)  $m\angle IFJ$



26)  $m\angle JIK$



# Circle Review (Use Exact Values)

**Find the radius of each circle.**

1) diameter = 6 ft **3 ft**

2) diameter = 14 cm **7 cm**

**Find the diameter of each circle.**

3) radius = 2 cm **4 cm**

4) radius = 12 m **24 m**

**Find the circumference of each circle.**

5) radius = 2 m  **$4\pi$  m**

6) radius = 4 km  **$8\pi$  km**

7) diameter = 12 yd  **$12\pi$  yd**

8) diameter = 16 m  **$16\pi$  m**

**Find the area of each.**

9) radius = 11 mi  **$121\pi$  mi<sup>2</sup>**

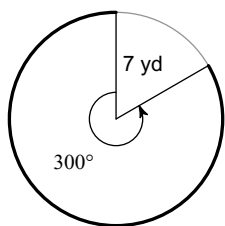
10) radius = 10 km  **$100\pi$  km<sup>2</sup>**

11) diameter = 6 mi  **$9\pi$  mi<sup>2</sup>**

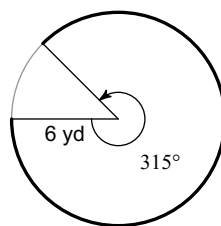
12) diameter = 22 in  **$121\pi$  in<sup>2</sup>**

**Find the length of each arc.**

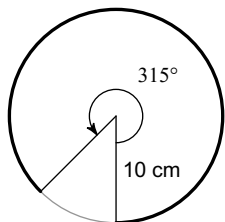
13)  **$\frac{35\pi}{3}$  yd**



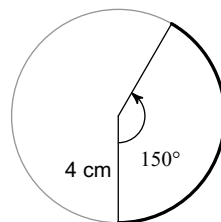
14)  **$\frac{21\pi}{2}$  yd**



15)  **$\frac{35\pi}{2}$  cm**

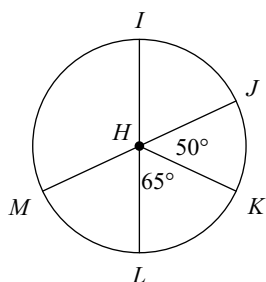


16)  **$\frac{10\pi}{3}$  cm**

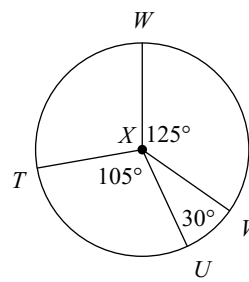


**Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.**

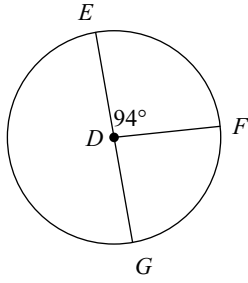
17)  $m\angle MHI$   **$115^\circ$**



18)  $m\angle WXU$   **$155^\circ$**

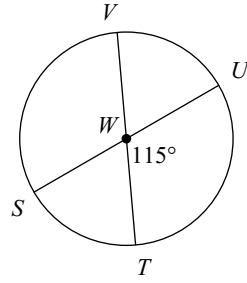


19)  $m\angle FDG$



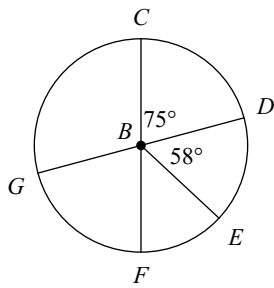
$86^\circ$

20)  $m\angle SWV$



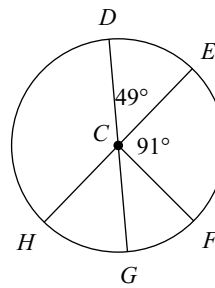
$115^\circ$

21)  $m\angle DBF$



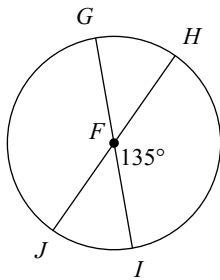
$105^\circ$

22)  $m\angle FCG$



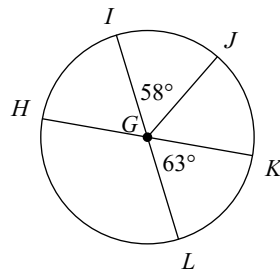
$40^\circ$

23)  $m\angle GFH$



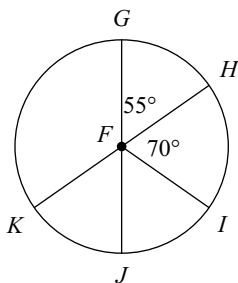
$45^\circ$

24)  $m\angle JGK$



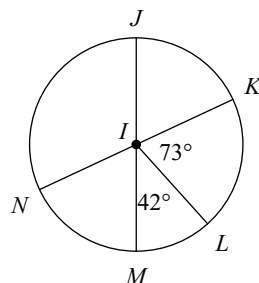
$59^\circ$

25)  $m\angle IFJ$



$55^\circ$

26)  $m\angle JIK$



$65^\circ$