

Name:

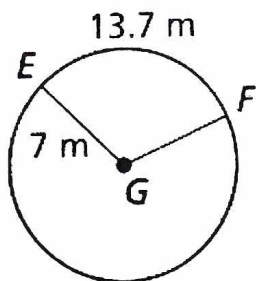
key

Date:

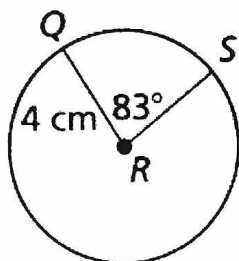
Period:

HW #11-7: Quest #1 Review

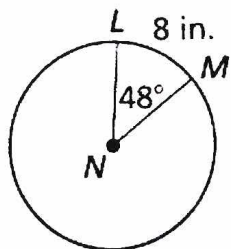
Check answers on classroom calendar. Remember to include your units!

1. Find $m\widehat{EF}$ 

$$\approx 112.14^\circ$$

2. Find the arc length of the major arc $\widehat{QS}$ 

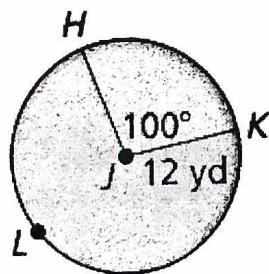
$$\approx 19.34 \text{ cm}$$

3. Find the circumference of $\odot N$. Then find the length of its radius.

$$r \approx 9.55 \text{ in}$$

$$\text{circumference} = 60 \text{ in}$$

4. Find the area of the small sector. Then find the area of the large sector.

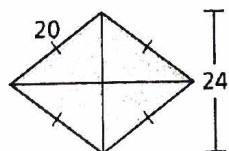
small

$$40\pi \text{ yd}^2$$

large

$$104\pi \text{ yd}^2$$

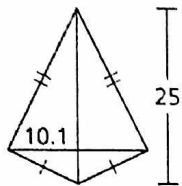
5. Find the area of the rhombus.



$$384$$



6. Find the area of the kite.

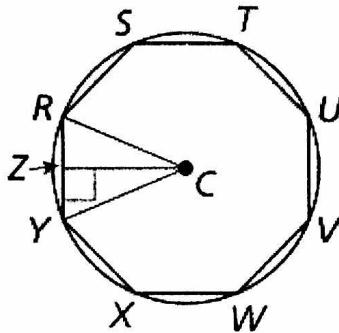


$$252.5$$

Use the diagram for #7-9

7. Identify the following:

- Center: C
- A radius: RC
- An apothem: CZ
- A central angle: $\angle RCY$



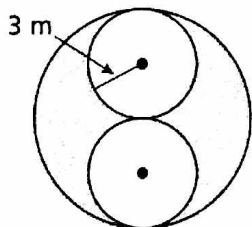
8. Find the following:

- $m\angle RCY = 45^\circ$
- $m\angle RCZ = 22.5^\circ$
- $m\angle ZRC = 67.5^\circ$

9. The radius of the circle is 8 units. Find the area of the octagon.

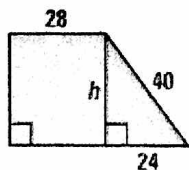
$$181.02$$

10. The two white congruent just fit into the dark circle. What is the area of the dark region?



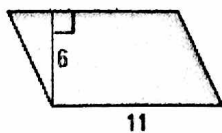
$$18\pi \text{ m}^2$$

11. Find the area of the trapezoid.



$$1280$$

12. Find the area of the parallelogram.



$$66$$