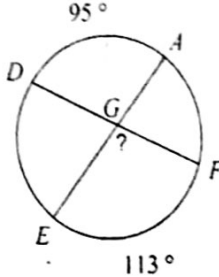
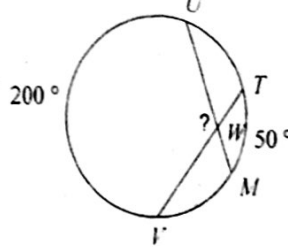
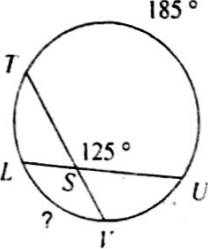


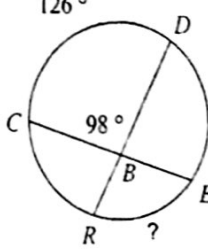
4.3 - Homework

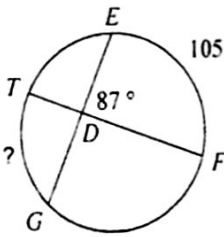
Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

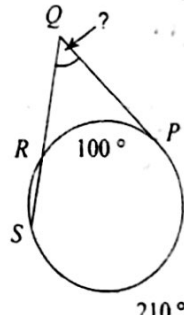
1)   $\frac{95+113}{2} = \boxed{104^\circ}$

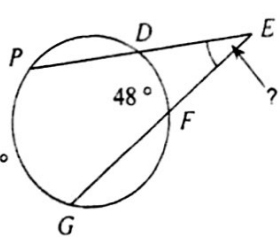
2)   $\frac{200+50}{2} = \boxed{125^\circ}$

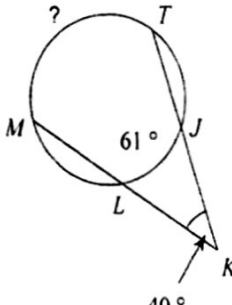
3)   $\frac{x+185}{2} = 125$   
 $x+185 = 250$   
 $\boxed{x=65}$

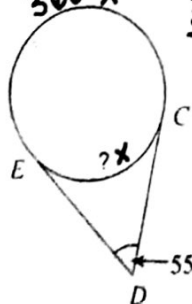
4)   $\frac{x+126}{2} = 98$   
 $x+126 = 196$   
 $\boxed{x=70}$


5)   $\frac{x+105}{2} = 87$   
 $x+105 = 174$   
 $\boxed{x=69^\circ}$

6)   $\frac{210-100}{2} = \boxed{55^\circ}$

7)   $\frac{114-48}{2} = \boxed{33^\circ}$

8)   $\frac{x-61}{2} = 40$   
 $x-61 = 80$   
 $\boxed{x=141}$

9)   $\frac{360-x}{2} = 55$   
 $360-2x = 110$   
 $-2x = -250$   
 $\boxed{x=125^\circ}$

10)   $\frac{245-115}{2} = \boxed{65^\circ}$

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**What did the Mama Lion say when she saw her cub chasing a hunter around a tree?**

To find out, figure out the degree measure of each lettered angle and arc in the circles below. Then place the corresponding letter above each number.

H O W M A N Y T I M E S H A V E  
 203 66 19 60 37.5 76 129 107 135 60 25 51 203 37.5 100 25

I T O L D Y O U N O T T O  
 135 107 66 105 35 129 66 48 76 66 107 107 66

P L A Y W I T H Y O U R F O O D  
 170 105 37.5 129 19 135 107 203 129 66 48 81 96 66 66 35

