

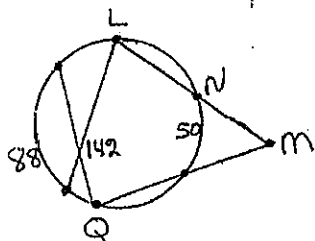
Name: **Answers**

Date:

Period:

Ch 10 More Practice Problems

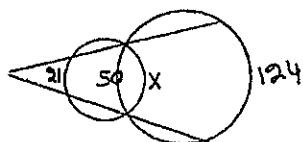
1. Find $m\widehat{LNQ}$ and $m\angle M$.



$$m\angle M = 57^\circ$$

$$m\widehat{LNQ} = 196^\circ$$

2. Find the value of x .



$$x = 95$$

3. Name the center and radius of the circle: $x^2 + y^2 - 4x + 10y - 3 = 0$

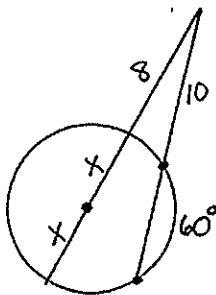
$$C: (2, -5)$$

$$r = 4\sqrt{2}$$

4. Write the equation for the circle whose center is $(2, -3)$ and passes through $(3, 0)$

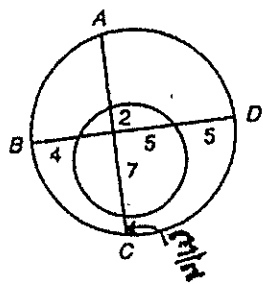
$$(x-2)^2 + (y+3)^2 = 10$$

5. Find the value of x .



$$x = 6$$

6. Find AC and BD.



$$AC = 16.5$$

$$BD = 16.8$$

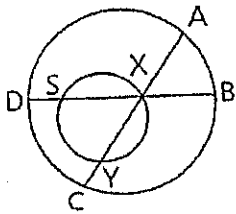
7. Solve the system.

$$x^2 + y^2 = 74$$

$$x + y = -2$$

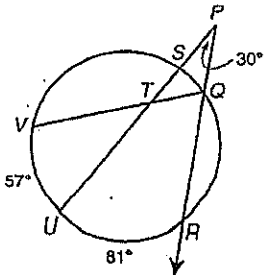
$$x = -7, y = 5 \text{ or } x = 5, y = -7$$

8. Given $m\widehat{SY} = 112^\circ$ and $m\widehat{DC} = 87^\circ$, find $m\widehat{AB}$.



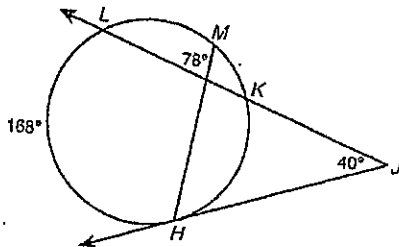
25°

9. Find $m\angle VTU$.



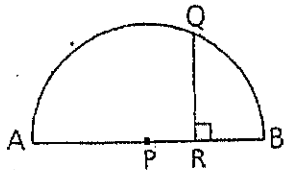
54°

10. Find $m\widehat{LM}$.



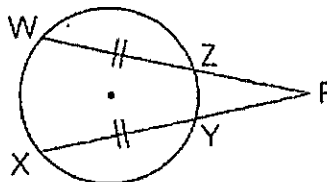
68°

11. Given $\overline{AB}$ is a diameter of $\odot P$, $QR = 6$, $AB = 13$, and $\overline{QR} \perp \overline{AB}$, find RB .



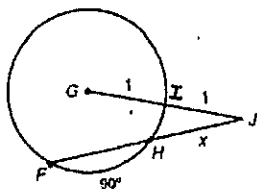
4

12. Given $m\widehat{WXY} = 200^\circ$, find $m\angle P$.



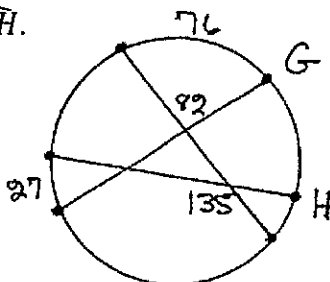
20°

13. Find x to the nearest tenth.



≈ 1.2

14. Find $m\widehat{GH}$.



79°