

10-4

Skills Practice

Inscribed Angles

In $\odot S$, $m\widehat{KL} = 80$, $m\widehat{LM} = 100$, and $m\widehat{MN} = 60$. Find the measure of each angle.

1. $m\angle 1 = 50$

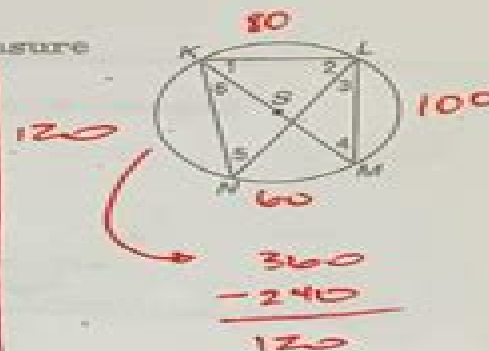
2. $m\angle 2 = 60$

3. $m\angle 3 = 30$

4. $m\angle 4 = 40$

5. $m\angle 5 = 40$

6. $m\angle 6 = 30$



ALGEBRA Find the measure of each numbered angle for each figure.

7. $m\angle 1 = 5x - 2$, $m\angle 2 = 2x + 8$

8. $m\angle 1 = 5x$, $m\angle 3 = 3x + 10$,
 $m\angle 4 = y + 7$, $m\angle 6 = 3y + 11$



$$5x - 2 + 2x + 8 + 90 = 180$$

$$5x - 2 + 2x + 8 = 90$$

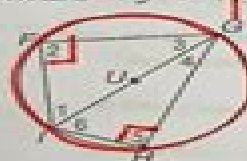
$$7x + 6 = 90$$

$$7x = 84$$

$$x = 12$$

$$\angle 1 = 58$$

$$\angle 2 = 30$$



$$5x + 3x + 10 = 90$$

$$8x = 80$$

$$x = 10$$

$$5x + 3x + 10 + y + 7 + 3y + 11 = 360$$

$$8x + 10 + 4y + 18 = 360$$

$$8x + 4y = 332$$

$$4y + 18 = 90$$

$$4y = 72$$

$$y = 18$$

Quadrilateral $RSTU$ is inscribed in $\odot P$ such that $m\widehat{STU} = 220$ and $m\angle S = 95$. Find each measure.

9. $m\angle R = 110$

10. $m\angle T = 70$

11. $m\angle U = 85$

12. $m\widehat{SRU} = 140$

13. $m\widehat{RUT} = 190$

14. $m\widehat{RST} = 170$



Geometry Chapter 10 4 Inscribed Angles

ML Yell

A decorative graphic consisting of a light blue horizontal bar with a rounded right end, and a red circular arc with a gradient effect positioned to the right of the bar's end.

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web jul 25 2020 there were 19 papers submitted of which 12 were accepted and published going through the special issue different types of materials and structures were considered different non destructive testing techniques were employed with new approaches of data treatment proposed as well numerical simulation

nondestructive testing wikipedia - Sep 07 2023

web non destructive testing ndt ndt testing techniques or methodologies allow the investigator to carry out examinations without invading the integrity of the engineering specimen under observation while providing an elaborate view of the surface and structural discontinuities and obstructions