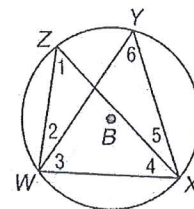


10-4 Practice

Inscribed Angles

In $\odot B$, $m\widehat{WX} = 104$, $m\widehat{WZ} = 88$, and $m\angle ZWY = 26$. Find the measure of each angle.



1. $m\angle 1$ 52

2. $m\angle 2$ 26

3. $m\angle 3$ 58

4. $m\angle 4$ 44

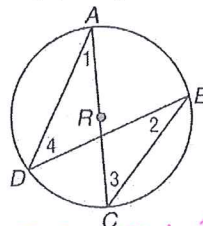
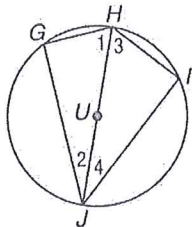
5. $m\angle 5$ 26

6. $m\angle 6$ 52

ALGEBRA Find the measure of each numbered angle.

7. $m\angle 1 = 5x + 2$, $m\angle 2 = 2x - 3$
 $m\angle 3 = 7y - 1$, $m\angle 4 = 2y + 10$

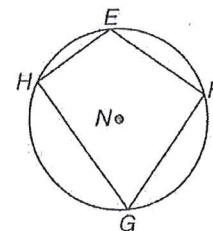
8. $m\angle 1 = 4x - 7$, $m\angle 2 = 2x + 11$,
 $m\angle 3 = 5y - 14$, $m\angle 4 = 3y + 8$



$m\angle 1 = 67$ $m\angle 2 = 23$
 $m\angle 3 = 62$ $m\angle 4 = 28$

$m\angle 1 = 29$ $m\angle 2 = 29$
 $m\angle 3 = 41$ $m\angle 4 = 41$

Quadrilateral $EFGH$ is inscribed in $\odot N$ such that $m\widehat{FG} = 97$, $m\widehat{GH} = 117$, and $m\widehat{EHG} = 164$. Find each measure.



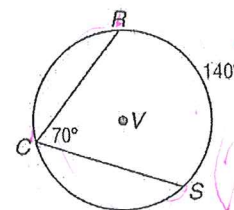
9. $m\angle E$ 107

10. $m\angle F$ 82

11. $m\angle G$ 73

12. $m\angle H$ 98

13. **PROBABILITY** In $\odot V$, point C is randomly located so that it does not coincide with points R or S . If $m\widehat{RS} = 140$, what is the probability that $m\angle RCS = 70$?



$\frac{11}{18}$

$\frac{220^\circ}{360^\circ}$

$\frac{360 - 140}{360}$