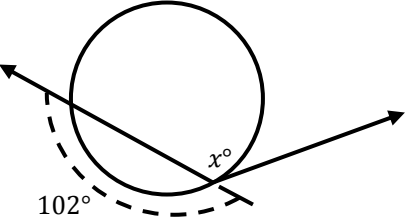
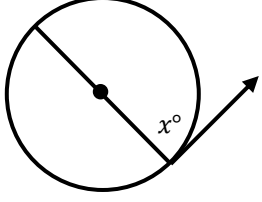
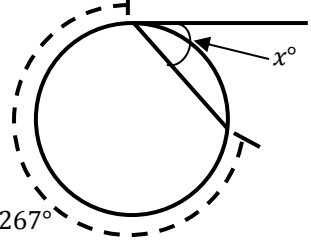
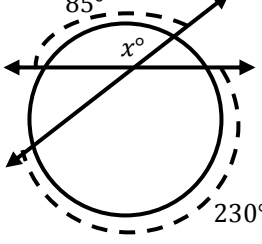
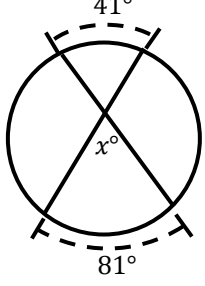
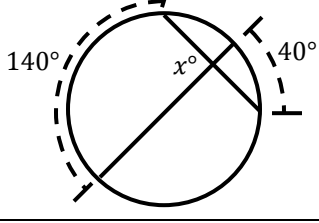
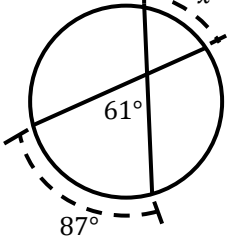


10.6a – ANGLES FORMED BY SECANTS & TANGENTS

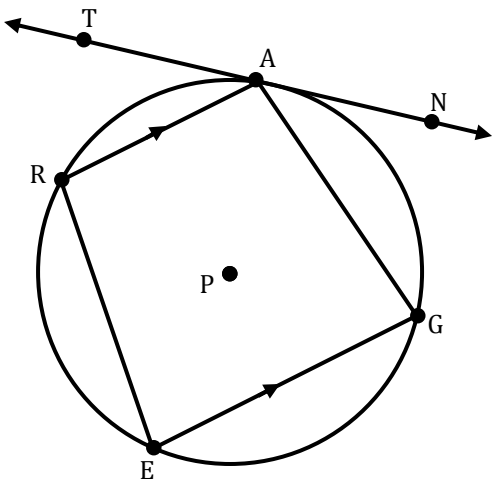
Find the value of 'x'.

<p>1. $x =$ _____</p>	
<p>2. $x =$ _____</p>	
<p>3. $x =$ _____</p>	
<p>4. $x =$ _____</p>	
<p>5. $x =$ _____</p>	
<p>6. $x =$ _____</p>	
<p>7. $x =$ _____</p>	

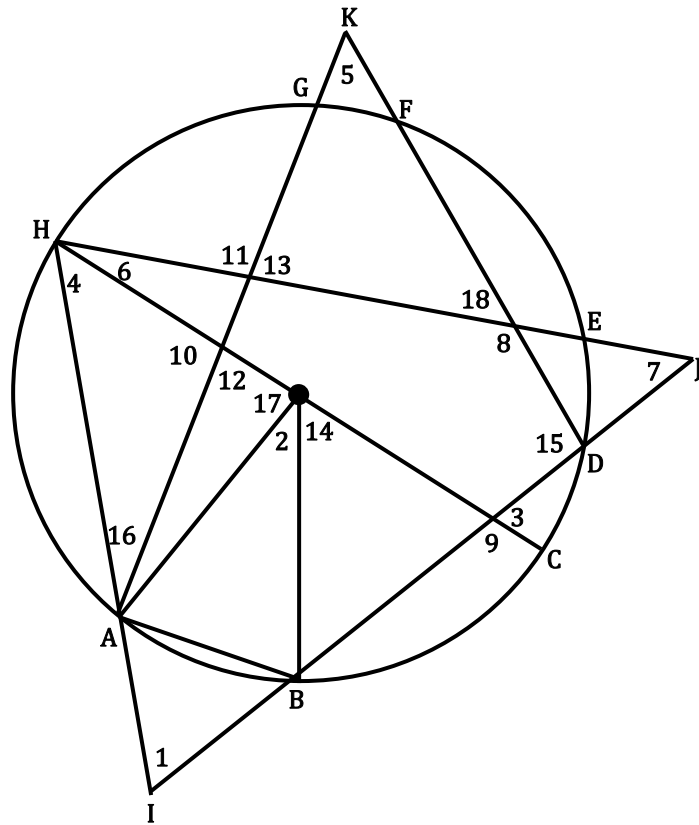
8. $x =$ _____	
9. $x =$ _____	
10. $x =$ _____	
11. $x =$ _____	
12. $x =$ _____	

In the figure, quadrilateral $GERA$ is inscribed in circle P . \overleftrightarrow{TA} is tangent to circle P at A , $m\angle REG = 78^\circ$, $m\widehat{AR} = 46^\circ$, and $\overline{ER} \cong \overline{GA}$. Find each measure.

13. _____	$m\angle GAR = ?$
14. _____	$m\angle TAR = ?$
15. _____	$m\widehat{GE} = ?$
16. _____	$m\widehat{AG} = ?$
17. _____	$m\angle GAN = ?$
18. _____	$m\widehat{RE} = ?$



\overline{HC} is a diameter. $m\widehat{HA} = 83^\circ$, $m\widehat{BC} = 50^\circ$, $m\widehat{HD} = 135^\circ$, $m\widehat{GF} = 32^\circ$, $m\widehat{HG} = 45^\circ$, and $m\widehat{FE} = 55^\circ$. Find the measures of the following angles.



19. $m\angle 1 =$ _____	20. $m\angle 2 =$ _____	21. $m\angle 3 =$ _____
22. $m\angle 4 =$ _____	23. $m\angle 5 =$ _____	24. $m\angle 6 =$ _____
25. $m\angle 7 =$ _____	26. $m\angle 8 =$ _____	27. $m\angle 9 =$ _____
28. $m\angle 10 =$ _____	29. $m\angle 11 =$ _____	30. $m\angle 12 =$ _____
31. $m\angle 13 =$ _____	32. $m\angle 14 =$ _____	33. $m\angle 15 =$ _____
34. $m\angle 16 =$ _____	35. $m\angle 17 =$ _____	36. $m\angle 18 =$ _____