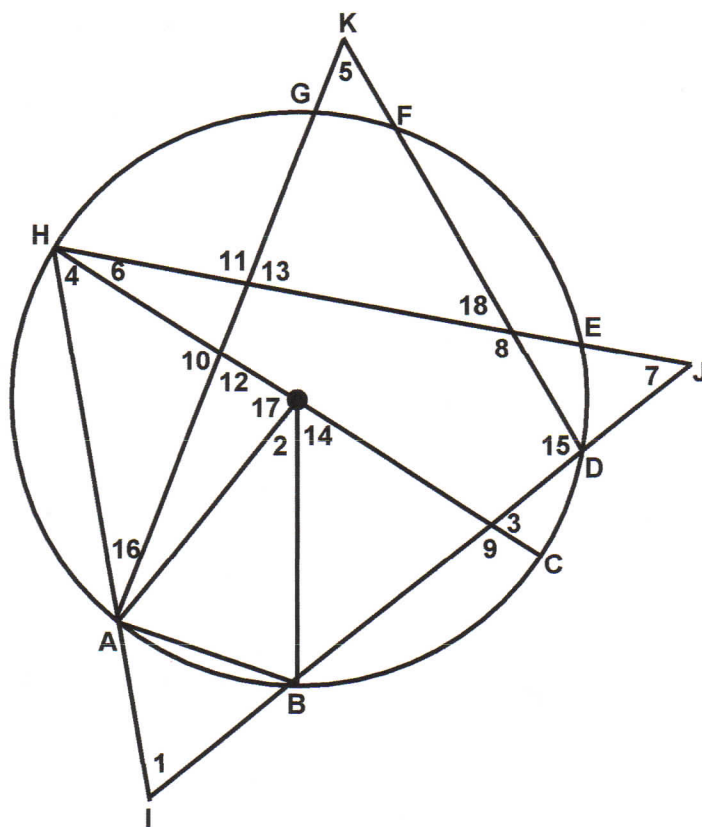


INSCRIBED ANGLES AND ANGLES FORMED BY TANGENTS AND SECANTS

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



1. $m\angle 1 =$ _____	2. $m\angle 2 =$ _____	3. $m\angle 3 =$ _____
4. $m\angle 4 =$ _____	5. $m\angle 5 =$ _____	6. $m\angle 6 =$ _____
7. $m\angle 7 =$ _____	8. $m\angle 8 =$ _____	9. $m\angle 9 =$ _____
10. $m\angle 10 =$ _____	11. $m\angle 11 =$ _____	12. $m\angle 12 =$ _____
13. $m\angle 13 =$ _____	14. $m\angle 14 =$ _____	15. $m\angle 15 =$ _____
16. $m\angle 16 =$ _____	17. $m\angle 17 =$ _____	18. $m\angle 18 =$ _____