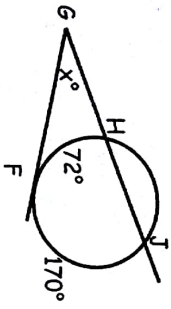
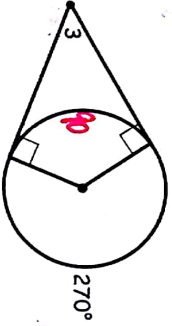


Name _____

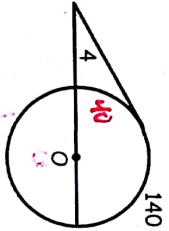
1. $x = 49$



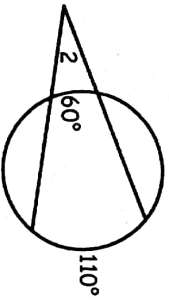
2. $m\angle 3 = 90$



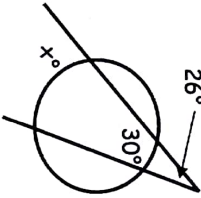
3. $m\angle 4 = 50$



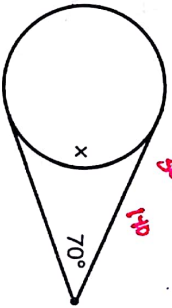
4. $m\angle 2 = 25$



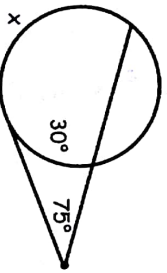
5. $x = 82$



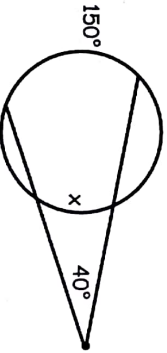
6. $x = 110$



7. $x = 180$



8. $x = 76$

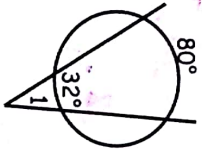
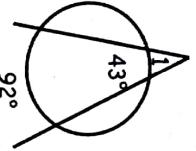
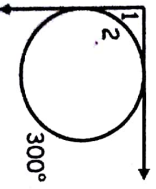


9. $m\angle 1 = 120$

$m\text{Arc}2 = 60$

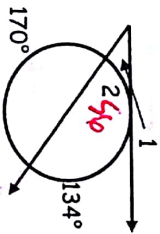
10. $m\angle 1 = 24.5$

11. $m\angle 1 = 24$

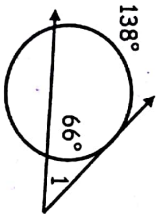


12. $m\angle 1 = 39$

$m\text{Arc}2 = 56$

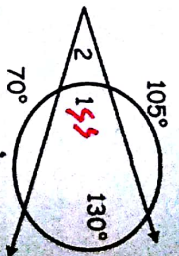


13. $m\angle 1 = 36$



14. $m\text{Arc}1 = 55$

$m\angle 2 = 37.5$



Points A, B, C, D, E lie on $\square O$.

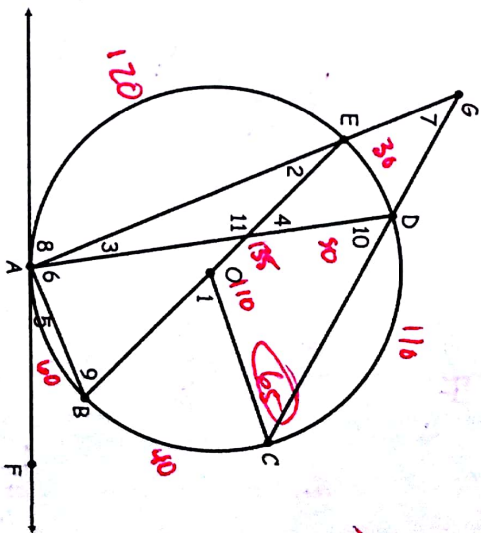
\overline{BE} is a diameter.

\overline{AF} is a tangent.

$m\angle B = 60^\circ$

$m\angle C = 40^\circ$

$m\angle D = 30^\circ$



15. $m\angle 1 = 40$

16. $m\angle 2 = 30$

17. $m\angle 3 = 15$

18. $m\angle 4 = 45$

19. $m\angle 5 = 30$

20. $m\angle 6 = 75$

21. $m\angle 7 = 35$

22. $m\angle 8 = 60$

23. $m\angle 9 = 40$

24. $m\angle 10 = 50$

25. $m\angle 11 = 135$

26. $m\angle EOC = 110$

27. $m\angle C = 65$

Handwritten notes: $220/4$, 135