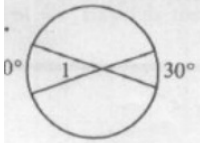
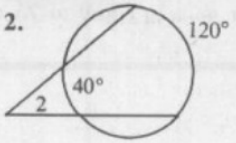
lassroom Exercises

d the measure of each numbered angle.



2.



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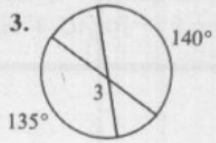

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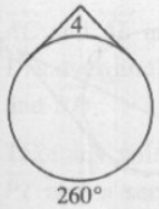

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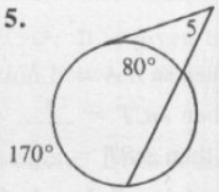

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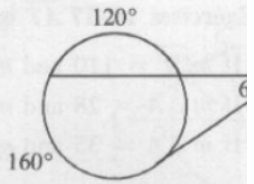
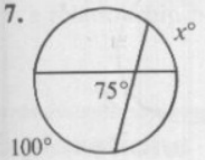
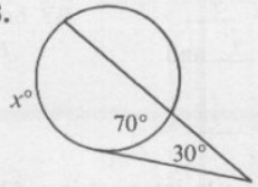


State an equation you could use to find the value of x. Then solve for x.

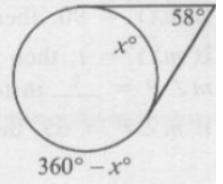
7.



8.

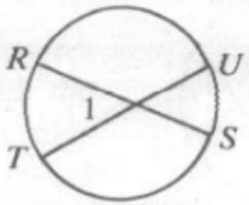


9.



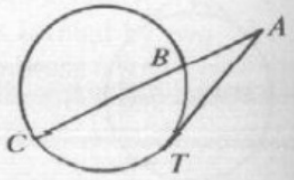
Complete.

11. If $m\overset{\frown}{RT} = 80$ and $m\overset{\frown}{US} = 40$, then $m\angle 1 =$ ___?___.
12. If $m\overset{\frown}{RU} = 130$ and $m\overset{\frown}{TS} = 100$, then $m\angle 1 =$ ___?___.
13. If $m\angle 1 = 50$ and $m\overset{\frown}{RT} = 70$, then $m\overset{\frown}{US} =$ ___?___.
14. If $m\angle 1 = 52$ and $m\overset{\frown}{US} = 36$, then $m\overset{\frown}{RT} =$ ___?___.



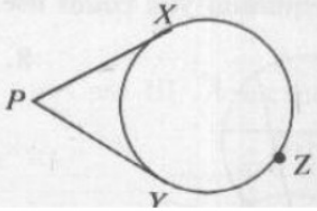
In Exercises 15–17 $\overline{AT}$ is a tangent.

15. If $m\overset{\frown}{CT} = 110$ and $m\overset{\frown}{BT} = 50$, then $m\angle A =$ ___?___.
16. If $m\angle A = 28$ and $m\overset{\frown}{BT} = 46$, then $m\overset{\frown}{CT} =$ ___?___.
17. If $m\angle A = 35$ and $m\overset{\frown}{CT} = 110$, then $m\overset{\frown}{BT} =$ ___?___.



In Exercises 18–21 $\overline{PX}$ and $\overline{PY}$ are tangents.

18. If $m\overset{\frown}{XZY} = 250$, then $m\angle P =$ ___?___.
19. If $m\overset{\frown}{XY} = 90$, then $m\angle P =$ ___?___.
20. If $m\overset{\frown}{XY} = t$, then $m\overset{\frown}{XZY} =$ ___?___ and $m\angle P =$ ___?___ in terms of t.
21. If $m\angle P = 65$, then $m\overset{\frown}{XY} =$ ___?___.



HW 9.6

- Pg. 358 (CE): # 1-9
- Pg. 359 (WE): #1-17

***P359 1-10