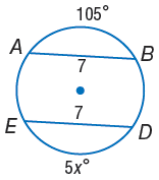
Name _____ Date _____

Find the value of x.

1)



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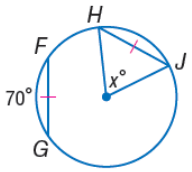

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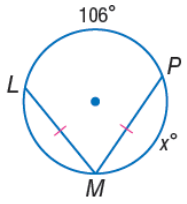

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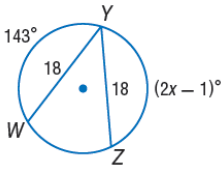

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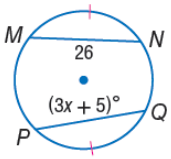

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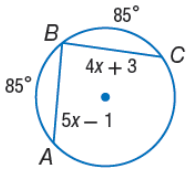
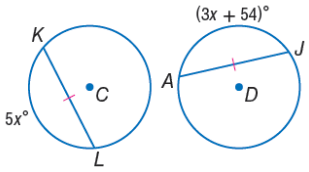
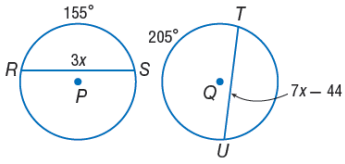


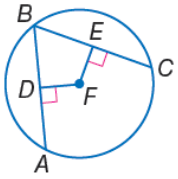
7) $Circle\ C \cong Circle\ D$



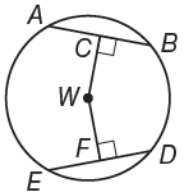
8) $Circle\ P \cong Circle\ Q$



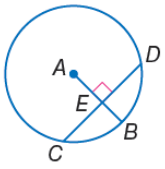
9) In e F, $\overline{AB} \cong \overline{BC}$, $DF = 3x - 7$, and $FE = x + 9$. Find x.



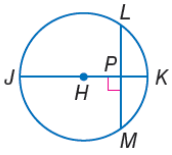
10) If CW=WF, and ED=30, what is DF?



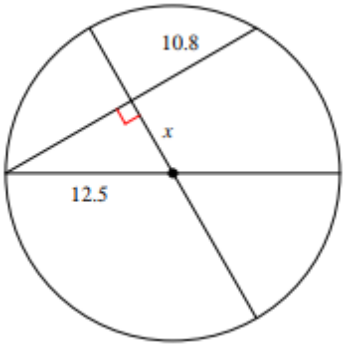
11) In Circle A, the radius is 14 and CD=22.
Find CE and EB.
Round to the nearest tenth if nccessary.



12) In Circle H, the radius is 18, LM=12, and arc LM = 84^0.
Find the measurement of arc LK and segment HP.
Round to the nearest tenth if nccessary.



13)



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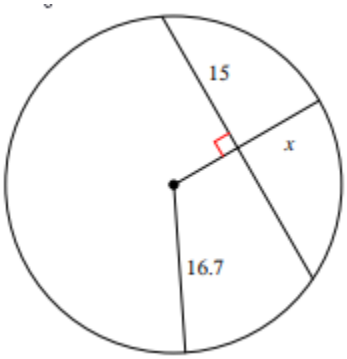

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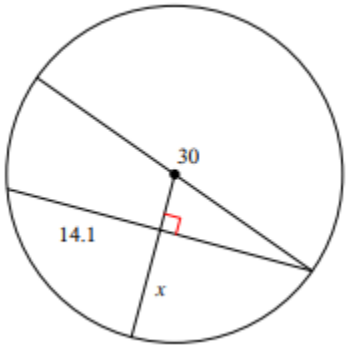
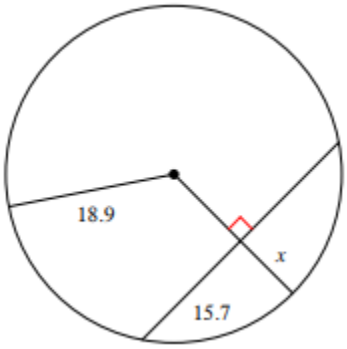


16)



17. In a circle, a chord of 20 is located 9 units from the center. Find the radius.

18. In a circle with a radius of 32, a chord measures 18. Find the distance from the center of the circle to the chord.

19. A chord is located 14 units from the center of a circle whose radius is 22. Find the length of the chord.

20. A circle with a diameter of 30 has a chord located 8 units from the center. How long is the chord?

21. In a circle with a radius of 12, arc AB measures 90 degrees. How long is chord AB?

22. In a circle with a radius of 14, arc AB measures 120 degrees. How long is chord AB?