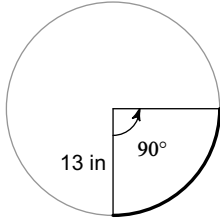


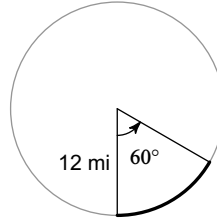
12.3 Arc Length, Sector Area, Tangent and Chord Theorems

Find the length of each arc. Write your answers in terms of π and as decimals rounded to the nearest hundredth.

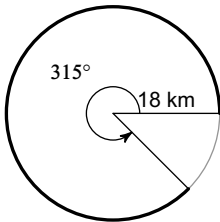
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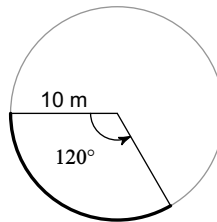
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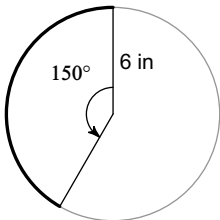
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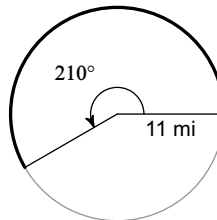
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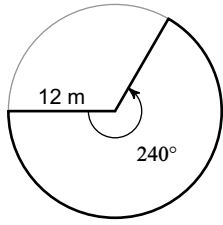


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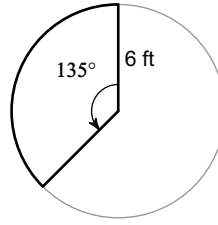


Find the area of each sector. Write your answers in terms of π and as decimals rounded to the nearest hundredth.

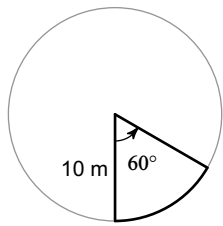
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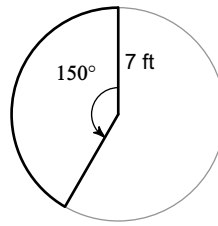
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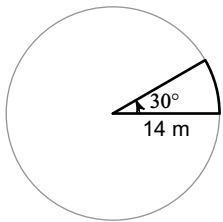
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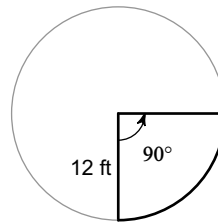
10)



11)

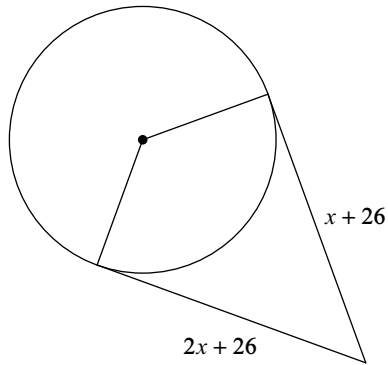


12)

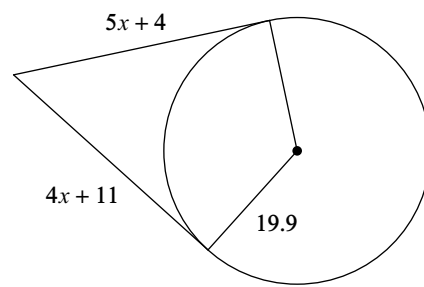


Solve for x . Assume that segments which appear to be tangent to the circle are tangent to the circle.

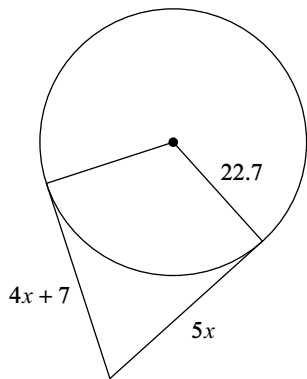
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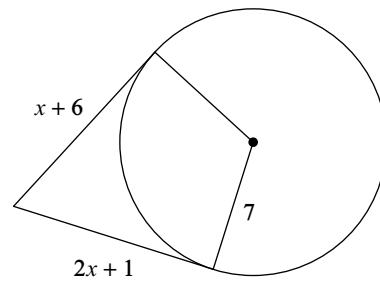
14)



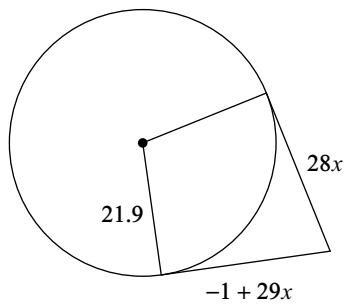
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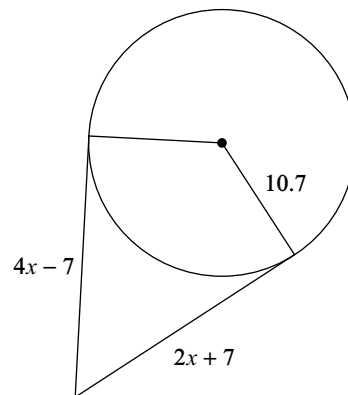
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17)

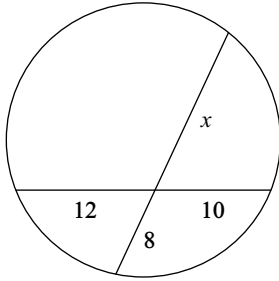


18)

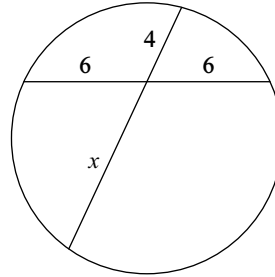


Solve for x .

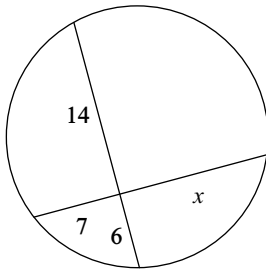
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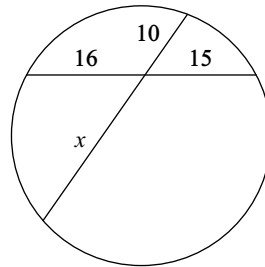
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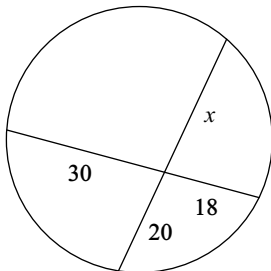
21)



22)



23)



24)

