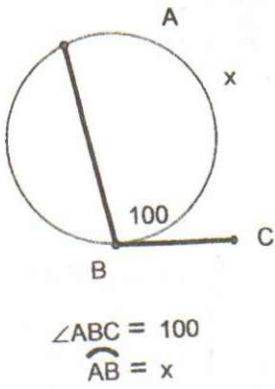


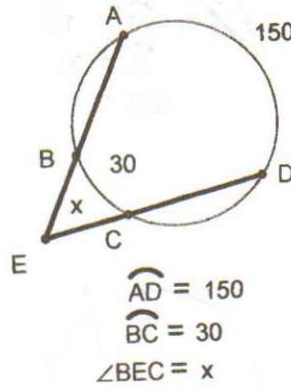
### Unit #11 – Circles 2, Angles Formed by Secants and Tangents – Assignment 5

In 1-15 write the location of the vertex (in, on, out) and then find the measure of the angle or the arc.

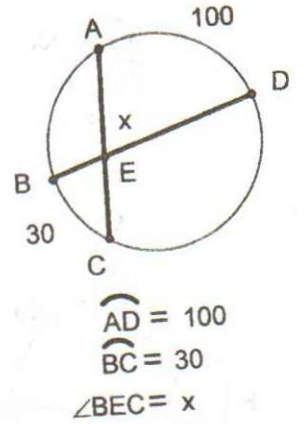
1.



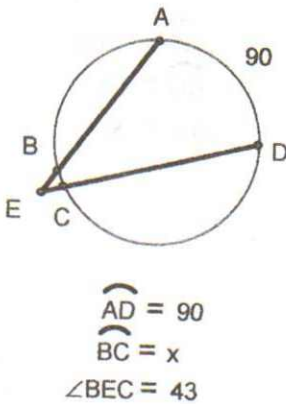
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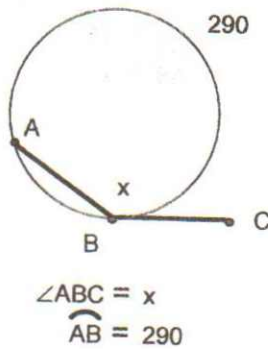
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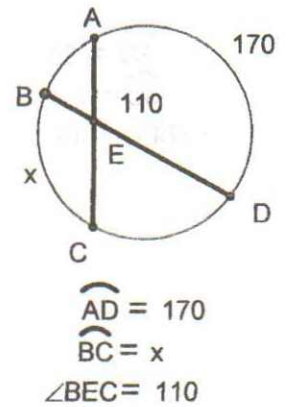
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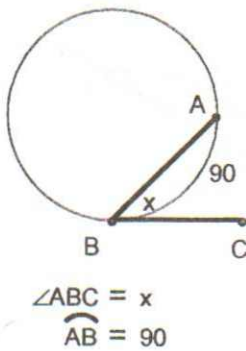
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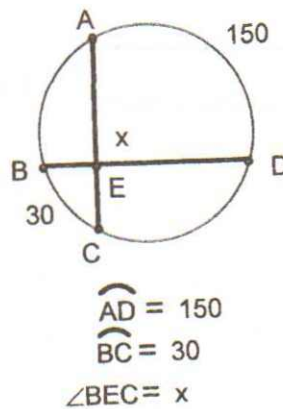
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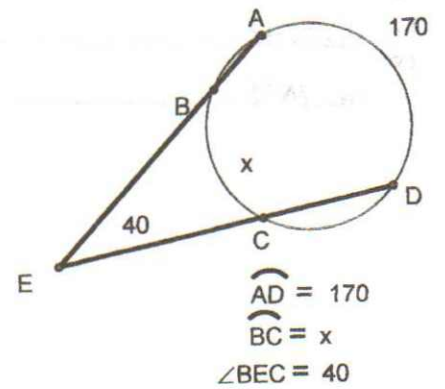
7.



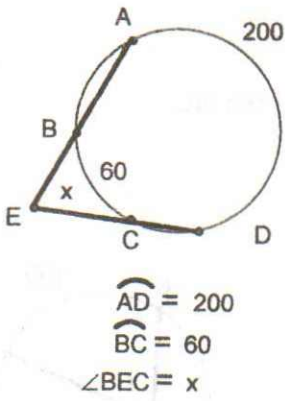
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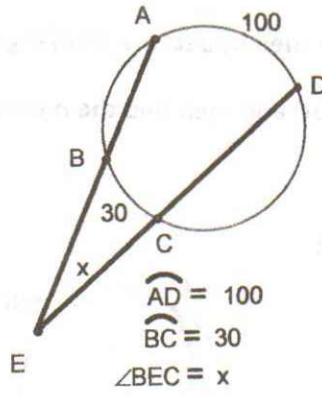
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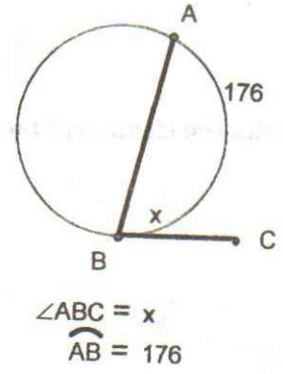
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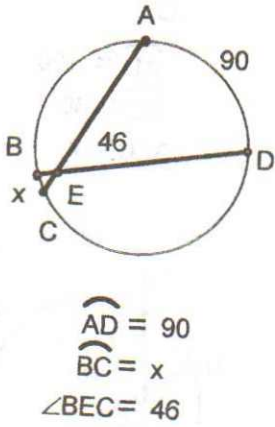
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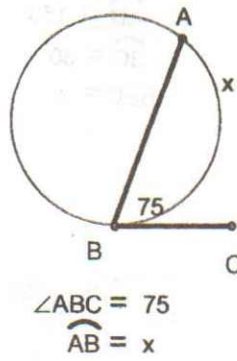
12.



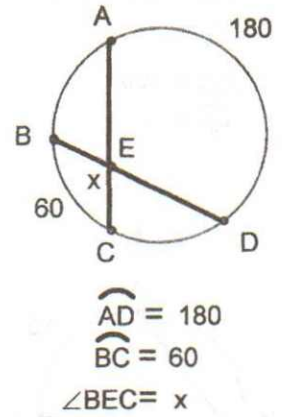
13.



14.



15.



In  $\odot L$ ,  $m\widehat{IK} = 15^\circ$ ,  $m\widehat{KM} = 180^\circ$ , and  $m\widehat{HM} = 50^\circ$ .  $\overleftrightarrow{NH}$  is tangent to  $\odot L$  at  $H$ . Find each of the following:

16.  $m\angle JHN$  \_\_\_\_\_
17.  $m\angle NJH$  \_\_\_\_\_
18.  $m\angle JNH$  \_\_\_\_\_

