Name _____ Date _____

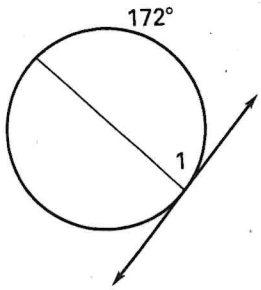
LESSON 10.5

Practice A

For use with pages 680–686

Find the measure of each numbered angle or arc.

1.



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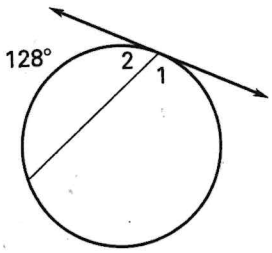

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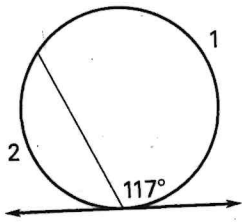

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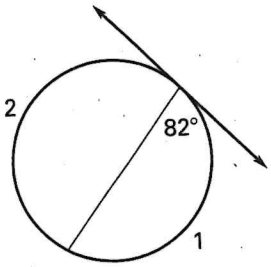

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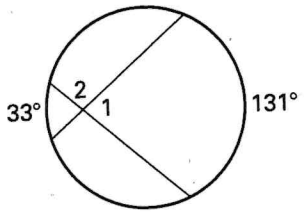

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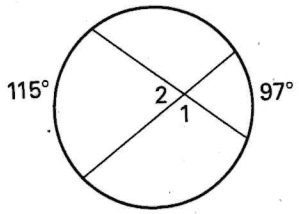

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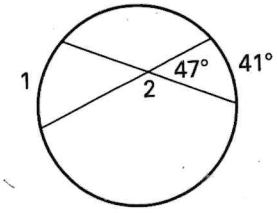

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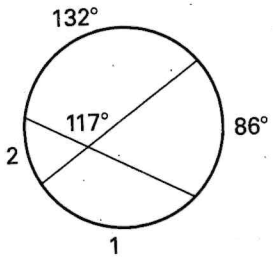

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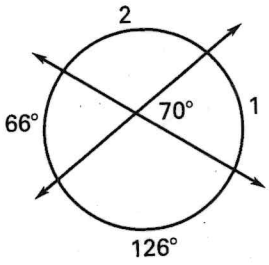

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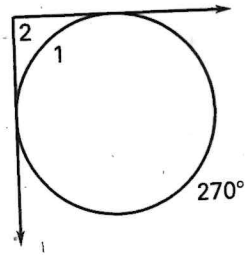

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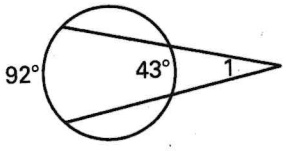

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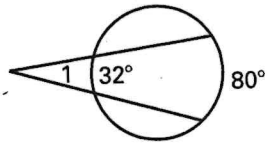

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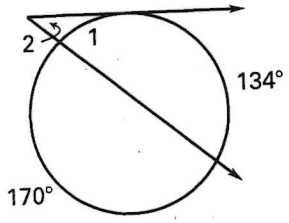

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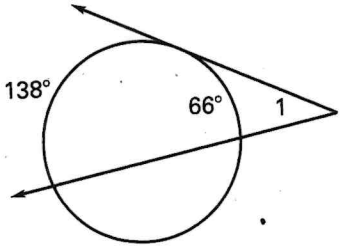

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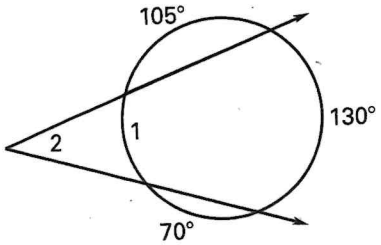


Name _____ Date _____

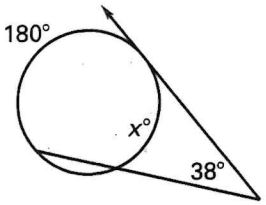
LESSON 10.5

Practice A *continued*

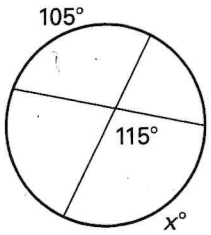
For use with pages 680–686

Find the value of x.

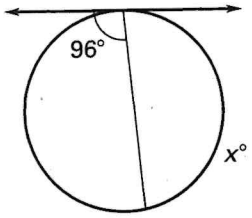
16.



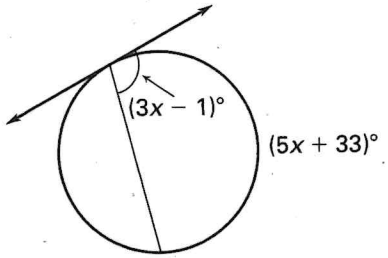
17.



18.



19.



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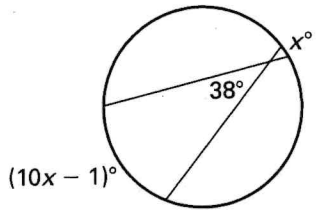

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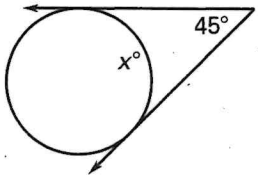
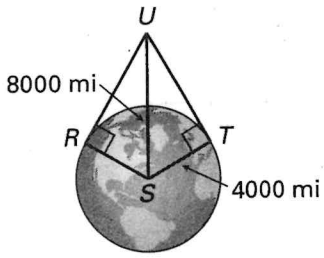
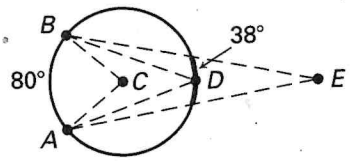


22. Satellites A satellite is taking pictures of Earth from 4000 miles above its surface. What is the measure of Earth's surface $\overset{\frown}{RT}$ that can be photographed from the satellite?



Not drawn to scale

23. Theater A play is being presented on a circular stage. The two main characters are at positions A and B at the back of the stage. Use the diagram to answer the following questions.



a. What angle of view between the main characters does an actor at position C at center stage have?

b. What angle of view of these characters does the orchestra conductor at point D have?

c. What angle of view does an audience member at point E have?