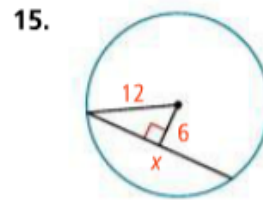
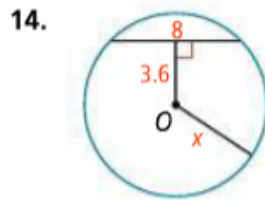
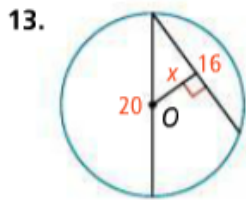
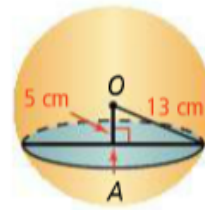


Algebra Find the value of x to the nearest tenth.



16. **Geometry in 3 Dimensions** In the figure at the right, sphere O with radius 13 cm is intersected by a plane 5 cm from center O . Find the radius of the cross section $\odot A$.

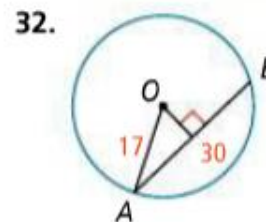
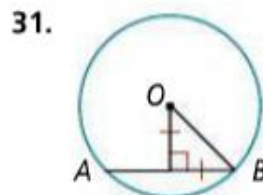
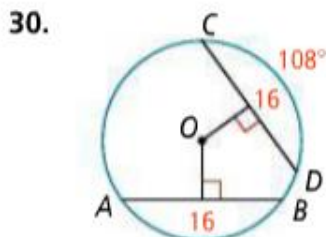


17. **Geometry in 3 Dimensions** A plane intersects a sphere that has radius 10 in., forming the cross section $\odot B$ with radius 8 in. How far is the plane from the center of the sphere?

© 18. **Think About a Plan** Two concentric circles have radii of 4 cm and 8 cm. A segment tangent to the smaller circle is a chord of the larger circle. What is the length of the segment to the nearest tenth?

- How will you start the diagram?
- Where is the best place to position the radius of each circle?

Find $m\widehat{AB}$. (*Hint: You will need to use trigonometry in Exercise 32.*)



Assume that the lines that appear to be tangent are tangent. O is the center of each circle. Find the value of x to the nearest tenth.

