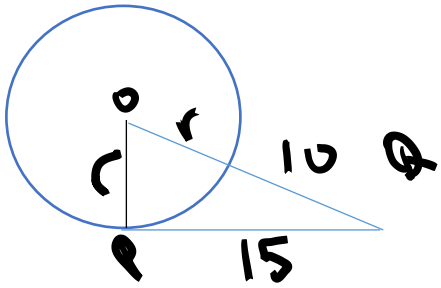
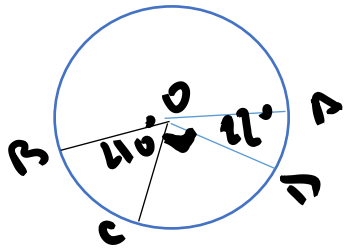
Chapter 10 Online Big Ideas Test Review edit v.21

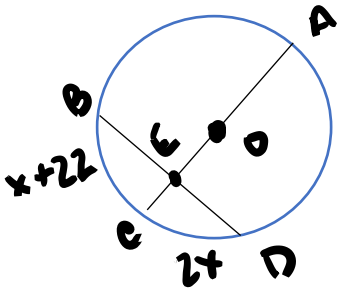
1. In the diagram, point P is a point of tangency. Find the radius r of circle O.



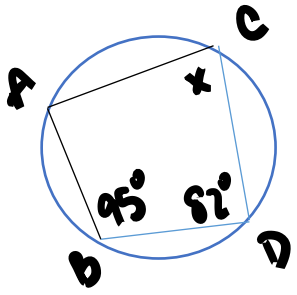
2. Find the measure of arc ABD



3. Find the measure of arc BD



4. Find the value of x.

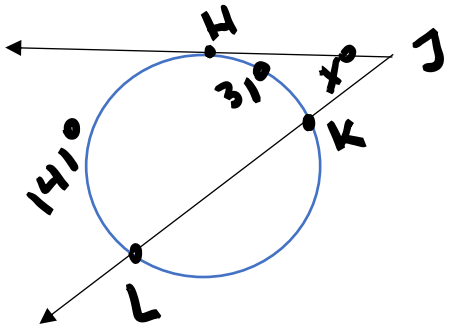


5. Graph each circle:

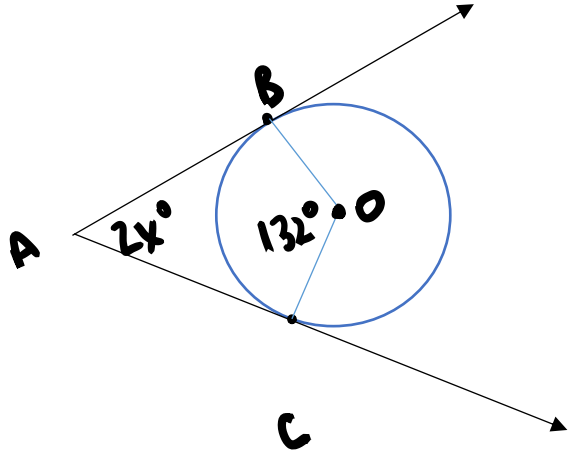
a) $(x - 2)^2 + (y + 1)^2 = 9$

b) $(x + 4)^2 + (y + 2)^2 = 4$

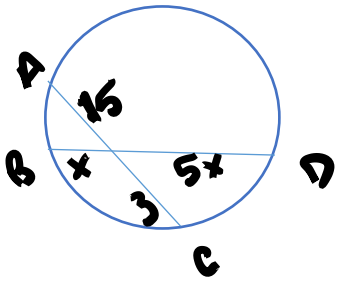
6. Find the value of x.



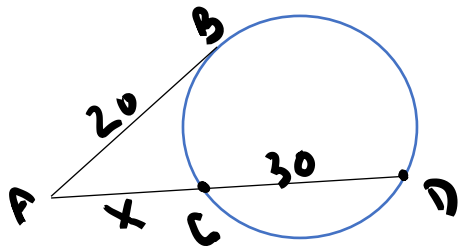
7. Find the value of x.



8. Find the value of x.

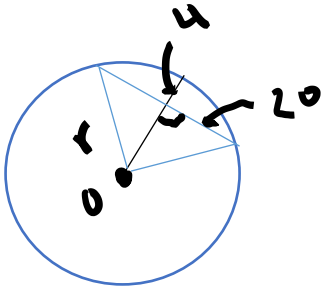


9. Find the value of x.



10. Does the point $(2, 2\sqrt{3})$ lie on the circle that is centered at the origin with a radius of 4?

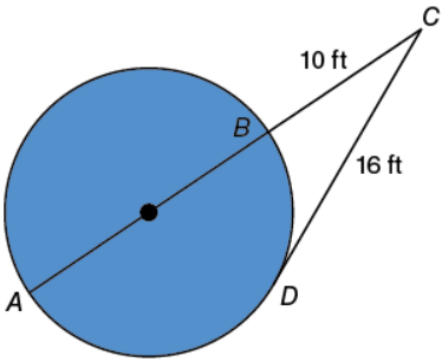
11. Solve for the radius of the circle.



12. Know how to identify a radius, chord, diameter, secant, tangent, etc.

You stand outside of a swimming pool at point C. Calculate the radius of the swimming pool.

19



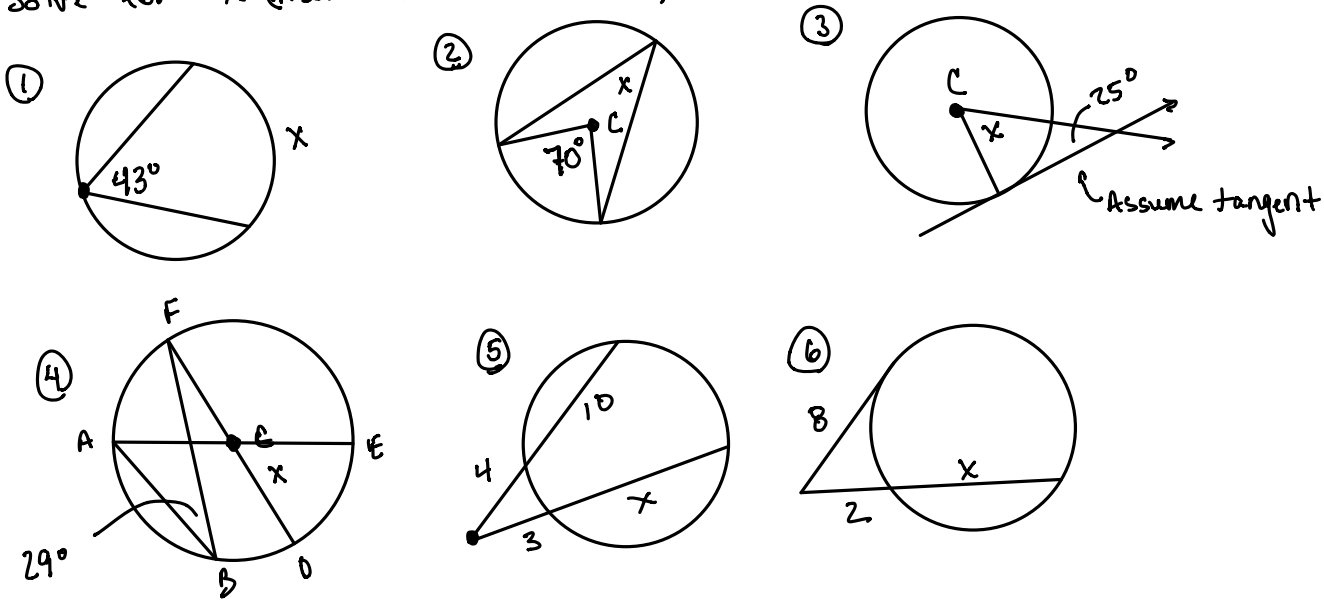
$r =$ 1 ft

Correct answers:

1 7.8

Additional Practice

Solve for x (Assume C is the center):



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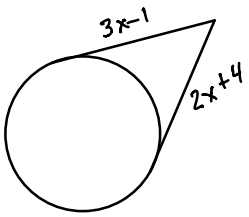

8