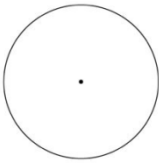
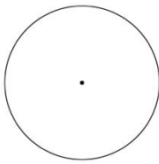
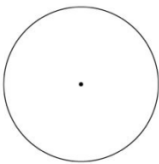
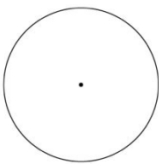
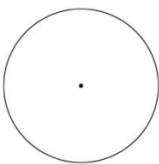
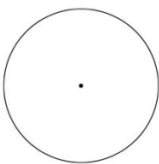


Use pages 651 – 653 of your Geometry textbook to help you fill out the vocab chart below.

Vocabulary Term	Definition	Example/sketch/notation
Circle		
Radius		
Diameter		
Secant		
Chord		
Tangent		
Point of Tangency		

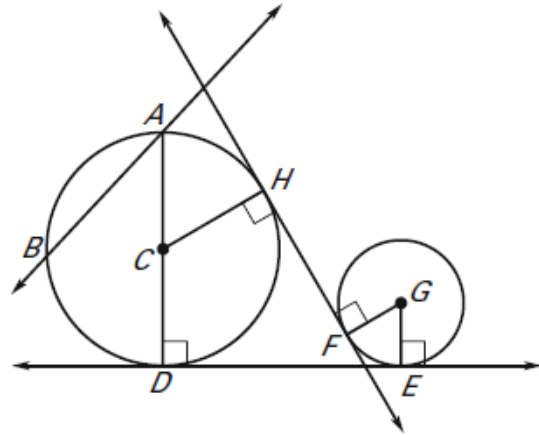
Use the vocabulary chart above to complete the following.

1. The _____ of a circle is the set of all points inside the circle.
2. A _____ is a line that intersects a circle at two points.
3. Is a diameter a chord? Why or why not? _____

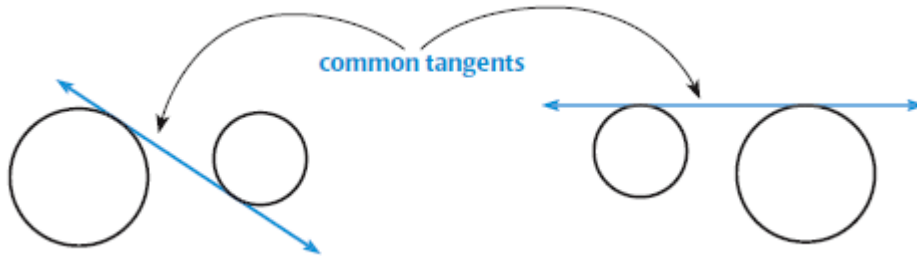
4. What is the difference between a chord and a secant? _____

Match the notation with the term that best describes it.

- | | | |
|-------------------------------|-------|----------------------|
| 5. D | _____ | A. Center |
| 6. \overleftrightarrow{DE} | _____ | B. Chord |
| 7. \overline{CD} | _____ | C. Diameter |
| 8. \overline{AB} | _____ | D. Radius |
| 9. C | _____ | E. Point of tangency |
| 10. \overleftrightarrow{AB} | _____ | F. Tangent |
| 11. \overline{AD} | _____ | G. Secant |

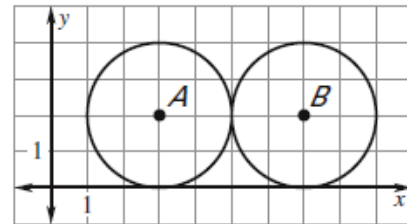


A line, ray, or segment that is tangent to two coplanar circles is called a **common tangent**.



Use the diagram below to find the following lengths.

12. What are the diameter and radius of $\odot A$?
13. What are the diameter and radius of $\odot B$?
14. What can you conclude about $\odot A$ and $\odot B$?
15. What is the point of intersection of $\odot A$ and $\odot B$?
16. Draw all common tangents to $\odot A$ and $\odot B$. Write the equations of the tangent lines.



If you need extra examples of the material covered in questions 1 – 16, look at Examples 1 – 3 on pages 651 – 653 of your Geometry textbook 😊