

Geometry

10.1 Lines and Segments that Intersect Circles

Circle

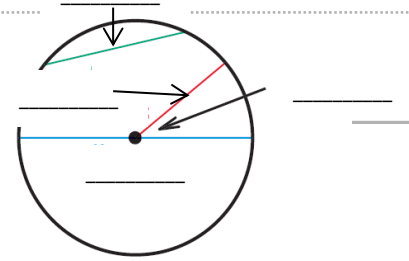
- All the _____ a given _____ from a central _____ in a plane
- Named by the _____

_____ () - the _____ from the _____ of the circle to the _____.

_____ - line _____ that connects two _____ on a circle.

_____ () - _____ that goes through the _____ of the circle (longest chord = 2 radii)

- _____ = _____



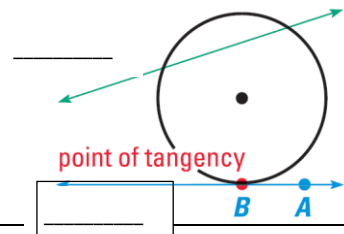
What is the radius of a circle if the diameter is 16 feet?

Secant

- Line that _____ a circle _____

Tangent

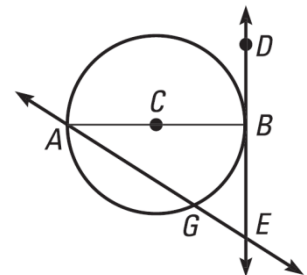
- Line that _____ a circle _____



What word best describes \overline{AG} ?

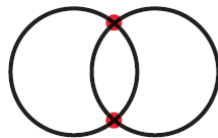
What word best describes \overline{CB} ?

Name a tangent and a secant.



Two circles can intersect in...

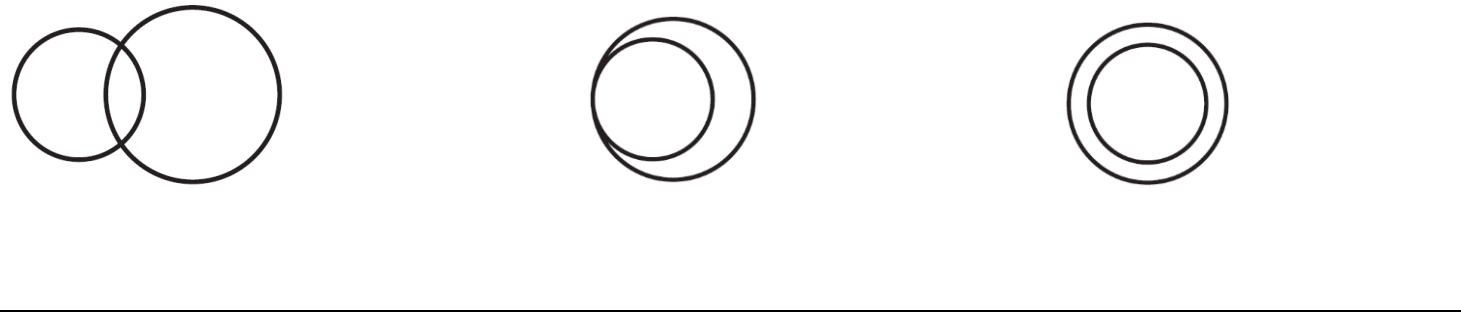
- _____ points
- _____ point
- _____ points



Common tangents

Lines _____ to _____ circles

How many common tangents do the circles have?

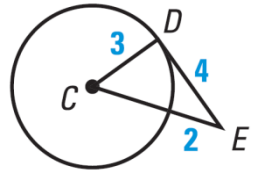


Tangent lines are _____ to _____.

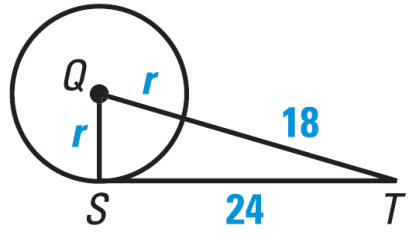


Tangent segments from the same _____ are _____.

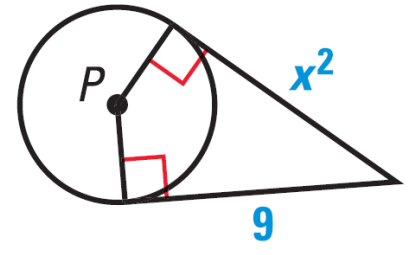
Is \overline{DE} tangent to $\odot C$?



\overline{ST} is a tangent to $\odot Q$. Find the value of r .



Find the value of x .



Assignment: 516 #2, 4, 6, 8, 10, 12, 14, 16, 18, 24, 26, 28, 32, 38, 42, 45, 46, 51, 52, 53 = 20 total