Geometry

10.1 Use Properties of Tangents

**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

Created by Richard Wright – Andrews Academy  
To be used with Larson Geometry, 2011
Common tangents

Lines ________ to ____ circles

How many common tangents do the circles have?

Tangent lines are ____________________ to ________.

Tangent segments from the same ________ are ____________.

Is $DE$ tangent to $\odot C$?

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

Find the value of $x$.

Assignment: 655 #4-32 even, 36, 38, 43-47 all = 22