Name _____

Date

30.1 Practice - Properties of Tangents

Match the notation with the term that best describes it.



Tell how many common tangents the circles have and draw them.



12. Softball On a softball field, home plate is 38 feet from the pitching circle. Home plate is about 45.3 feet from a point of tangency on the circle.

- a. How far is it from home plate to a point of tangency on the other side of the pitching circle?
 45.3 ++
- **b.** What is the radius of the pitching circle?

about 8 ft

 \overline{JK} is tangent to $\odot L$ at K and \overline{JM} is tangent to $\odot L$ at M. Find the value of x.



In the diagram, \overline{BC} is a radius of $\odot C$. Determine whether \overline{AB} is tangent to $\odot C$. Explain your reasoning.



In the diagram, \overline{AB} is tangent to $\odot C$ at point B. Find the radius r of $\odot C$.

