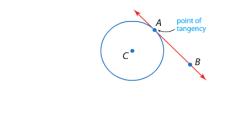
<u>10-5</u>

Tangents

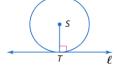
Tangent Line

A line that intersects a circle at exactly one point. The point at which they intersect is called the **point of tangency.**



Theorem 10.10

In a plane, a line is tangent to a circle if and only if it is perpendicular to a radius drawn to the point of tangency.



Find the value of x. Assume that segments that appear to be tangent are tangent.

