

Q: Define and draw tangent to a circle.

A tangent to a circle is the straight line which touches the circumference at a single point only and being produced does not cut it all. The point of tangency is also known as point of contact.

In figure \overleftrightarrow{AB} is tangent line to the circle at point of tangency T .

Q: Define a secant.

A secant is a straight line which cuts the circumference of a circle in two distinct points.

In the figure, the secant \overleftrightarrow{CD} cuts the circle at two distinct points P and Q .

Q: What is meant by length of tangent.

The length of tangent to a circle is measured from the given point to the point of tangency.

