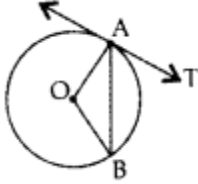
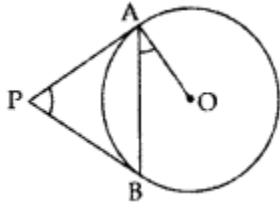


CIRCLES

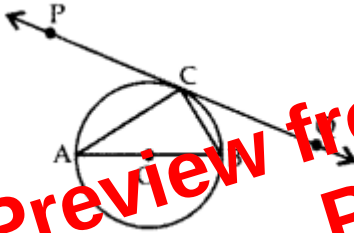
1. In the given figure, O is the centre of a circle, AB is a chord and AT is the tangent at A. If $\angle AOB = 100^\circ$, then calculate $\angle BAT$.



2. In the given figure, PA and PB are tangents to the circle with centre O. If $\angle APB = 60^\circ$, then calculate $\angle OAB$.



3. In the given figure, PQR is a tangent at a point C to a circle with centre O. If AB is a diameter and $\angle CAB = 30^\circ$. Find $\angle PCA$.



4. In the given figure, AB and AC are tangents to the circle with centre O such that $\angle BAC = 40^\circ$. Then calculate $\angle BOC$.

