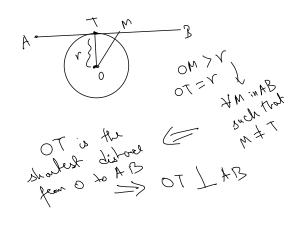
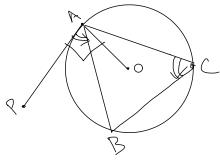
07 June 2024 18:04

Tonget to a circle :-





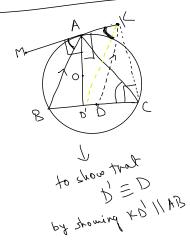
$$\angle OAB = 90^{\circ} - \angle BCA$$

$$\angle PAB = 90^{\circ} - \angle BAO$$

$$= - \angle BCA$$

$$= - \angle ACB$$

0>



DABC is acute

KA is tongent to (ABC) at A

LKCB = 90.

Point D bels on BC such tool

KD || AB. Show trat DO

Passes through A.

Ano: - LBAD = 90°-LMAB = 90°-LACB LMAB = LACB

LDAM = 90° = LDAK

 $\Rightarrow AKCD' is wellic$ $\Rightarrow \angle AKD' = \angle ACD' = \angle ACB = \angle MAB$ $\Rightarrow AB | | KD'$

But D is unique so that AB| ILD => D'=D

HoweWork Try to Show that in the previous question if A.D.D we callinear and KD//AB then LK(B = 90°