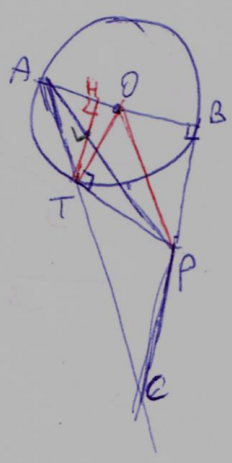


1.83
7



$\angle E = \alpha$ (NR)

||/|| ΔABC

$\angle A = 90 - \alpha$

||/|| ΔAST

$\angle AOT = 2\alpha, \angle OTA = 90 - \alpha$

$\angle TOB = 180 - 2\alpha$

$\angle TOB$ ||/|| $\Delta OP, \mu \Delta TOBP$

$\angle TOP = 90 - \alpha$

$\angle TOP = 90 - \alpha = \angle ATO$

\Downarrow
ATUOP

AB ΔABC P $\mu \Delta OP$ ΔABC ΔP $\mu \Delta OP$ Δ
(AC Δ Δ)

\Downarrow
 $BP = PC$

$\frac{LH}{BP} = \frac{AH}{AB}$

$\leftarrow \Delta APB \sim \Delta ALH$

$\leftarrow TH \parallel BC$

$\frac{TL}{CP} = \frac{AH}{AB}$

$\leftarrow \Delta ATL \sim \Delta ACP$

$\rightarrow \frac{LH}{BP} = \frac{TL}{CP} \rightarrow LH = TL$