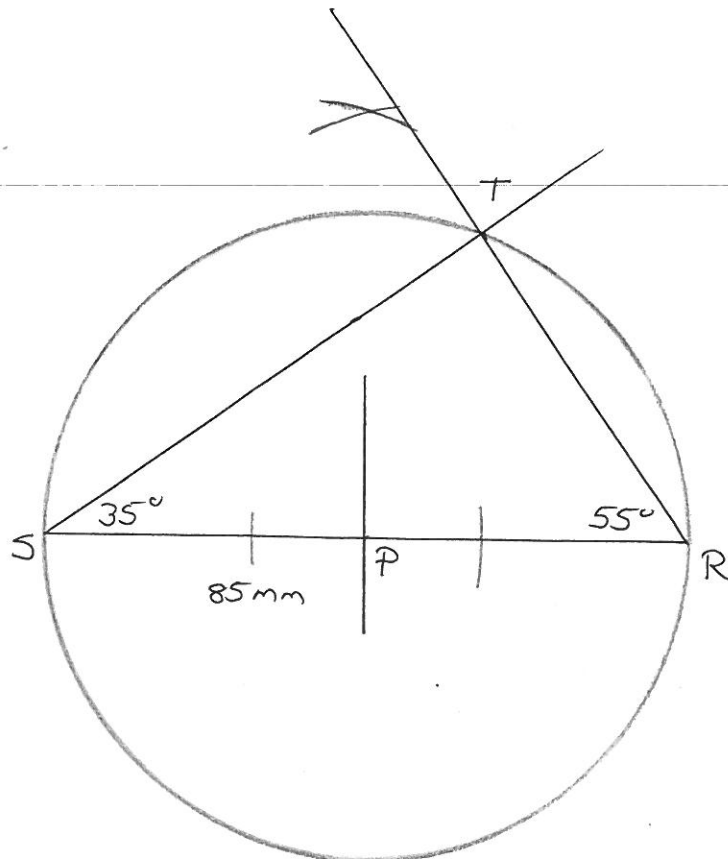
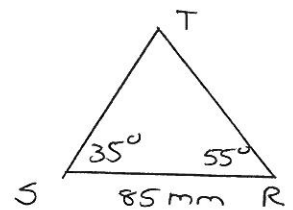


Worksheet 2015-9 EM-00001(1)

- (1) (a) Construct ΔRST with $RS = 85 \text{ mm}$; $\hat{S} = 35^\circ$ and $\hat{R} = 55^\circ$.
(b) Construct the perpendicular bisector of RS and label the midpoint of RS as P .
(c) Then construct a circle with radius RP and with P as the midpoint of the circle.
(d) What can you conclude regarding T in the circle constructed in (c)?
(e) Measure $\hat{T}$.

(d) The circle pass through point T .

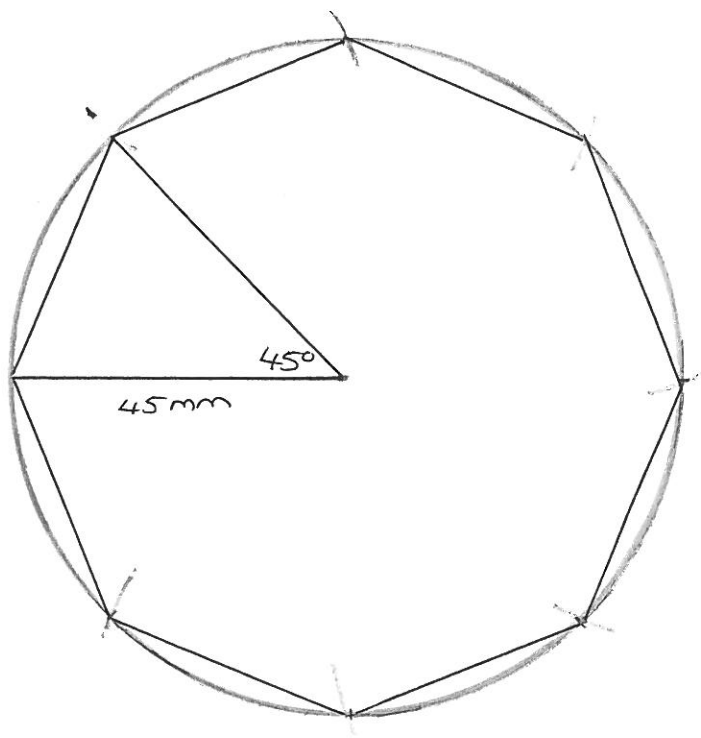
(e) $\hat{T} = 90^\circ$



- (2) (a) Construct an octagon by using a circle with a radius of 45 mm.
(b) Without any measurements, write the sum of the exterior angles of the octagon.

(a) ⁽⁸⁾Octagon: $\angle$ at midpoint $= \frac{360^\circ}{8} = 45^\circ$

(b) 360°



- (3) Construct two concentric circles with radii $PM = 3 \text{ cm}$ and $PT = 50 \text{ mm}$.
 $= 5 \text{ cm}$

