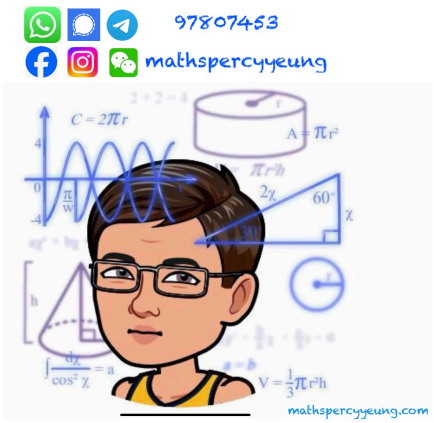
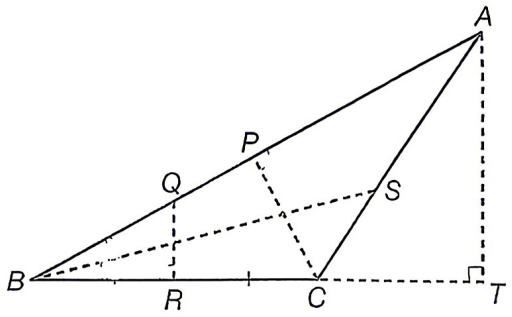
WKF F3 Grade 9 Mathematics Term 2 Quiz 24

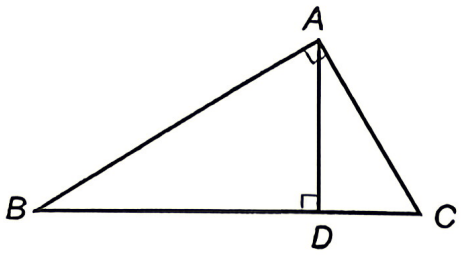


Content: Ch.6 Special Lines and Centres in a Triangle

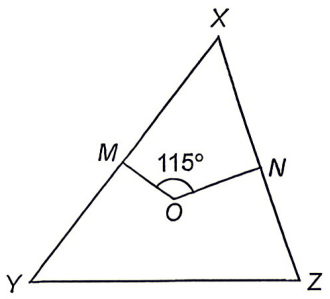
1. In the figure, $APQB$, $BRCT$ and ASC are straight lines.
$\angle APC = \angle ATB = \angle BRQ = 90°$, $\angle ABS = \angle CBS$ and $BR = CR$.
Name **(a) angle bisector**, **(b) perpendicular bisector** and **(c) altitudes** of ΔABC.
(4 marks)



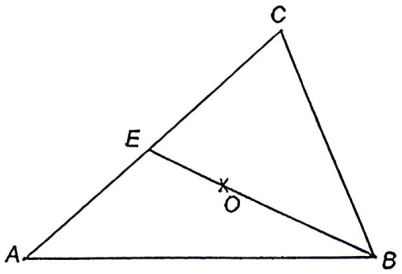
2. In the figure, which point is the **orthocentre** of ΔABC? (1 mark)



3. In the figure, O is the **circumcentre** of ΔXYZ. M and N are the mid-points of XY and XZ respectively. Given that $\angle MON = 115°$, find $\angle MXN$. (2 marks)



4. In the figure, O is the **centroid** of ΔABC. BO is produced to meet AC at E. If the coordinates of A, B and C are (1, 2), (8, 1) and (3, 6) respectively, find the coordinates of O. (3 marks)



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