

Name : _____

Score : _____

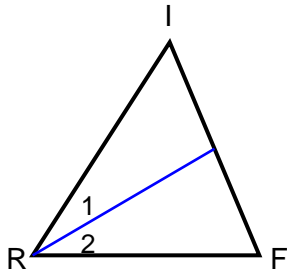
Teacher : _____

Date : _____

Triangle Angle Bisectors

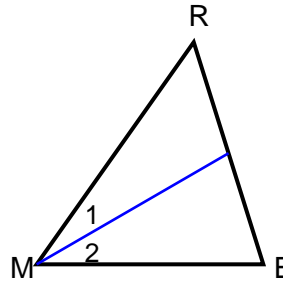
Each triangle has one of its angle bisectors drawn.

1) $m\angle IRF = 50^\circ$. Find $m\angle 1$.



$m\angle 1 = \underline{\hspace{2cm}}^\circ$

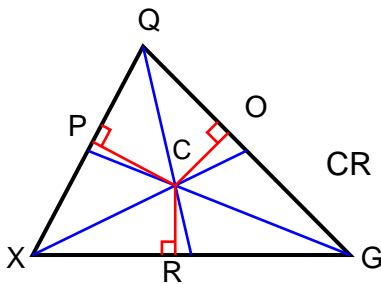
2) $m\angle RMB = 45^\circ$. Find $m\angle 1$.



$m\angle 1 = \underline{\hspace{2cm}}^\circ$

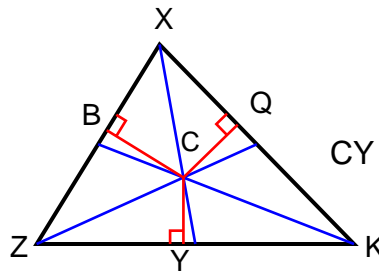
Each triangle shows its three angle bisectors intersecting at point C.

3) $CO = 11$. Find CR .



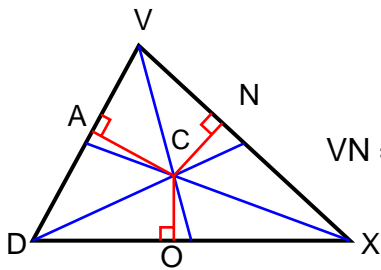
$CR = \underline{\hspace{2cm}}$

4) $CQ = 12$. Find CY .



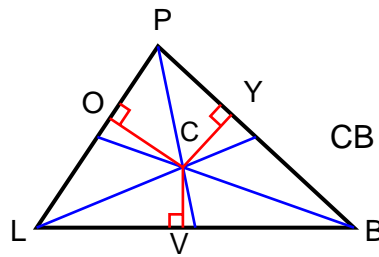
$CY = \underline{\hspace{2cm}}$

5) $CN = 7$ and $CV = 17$. Find VN .



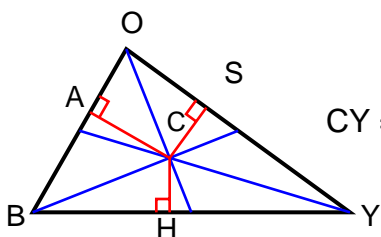
$VN = \underline{\hspace{2cm}}$

6) $VB = 15$ and $CV = 4$. Find CB .



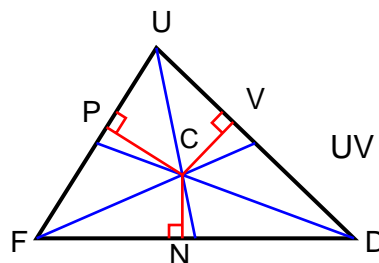
$CB = \underline{\hspace{2cm}}$

7) $HY = 13$ and $CH = 8$. Find CY .



$CY = \underline{\hspace{2cm}}$

8) $CV = 3$ and $CU = 9$. Find UV .



$UV = \underline{\hspace{2cm}}$



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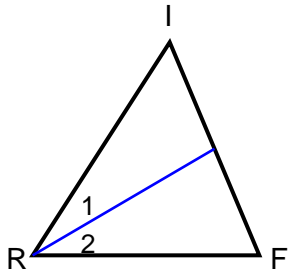
Teacher : _____

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Triangle Angle Bisectors

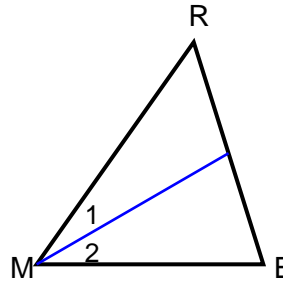
Each triangle has one of its angle bisectors drawn.

1) $m\angle IRF = 50^\circ$. Find $m\angle 1$.



$m\angle 1 = \underline{25}^\circ$

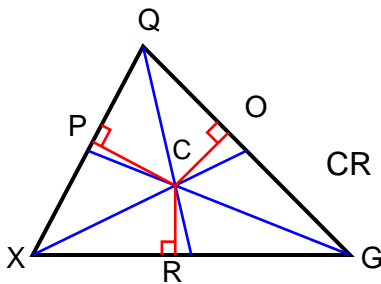
2) $m\angle RMB = 45^\circ$. Find $m\angle 1$.



$m\angle 1 = \underline{22.5}^\circ$

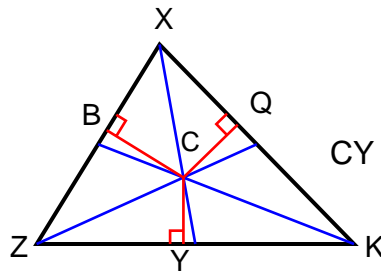
Each triangle shows its three angle bisectors intersecting at point C.

3) $CO = 11$. Find CR .



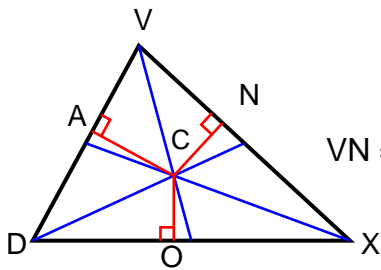
$CR = \underline{11}$

4) $CQ = 12$. Find CY .



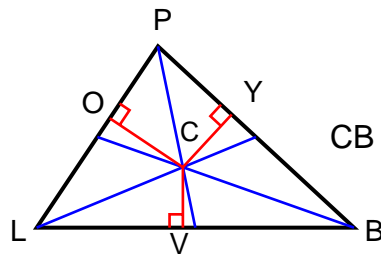
$CY = \underline{12}$

5) $CN = 7$ and $CV = 17$. Find VN .



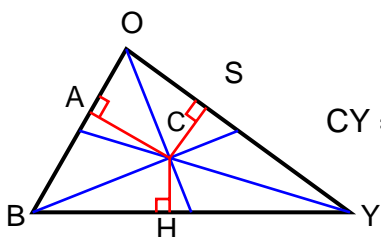
$VN = \underline{15.49}$

6) $VB = 15$ and $CV = 4$. Find CB .



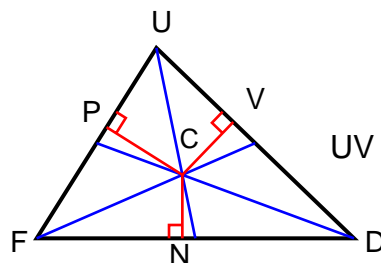
$CB = \underline{15.52}$

7) $HY = 13$ and $CH = 8$. Find CY .



$CY = \underline{15.26}$

8) $CV = 3$ and $CU = 9$. Find UV .



$UV = \underline{8.49}$

