

Name _____

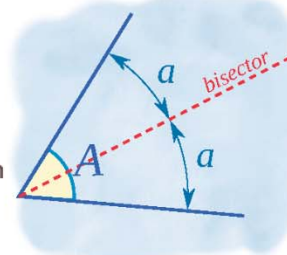
Name :

Class :



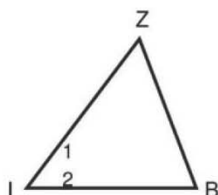
Angle Bisectors

An angle bisector is a ray that divides an angle into two equal parts



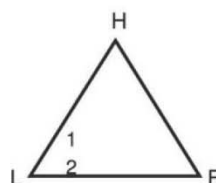
Each triangle has one of its angle bisectors drawn..

1) $m\angle ZIB = 41^\circ$. Find $m\angle 1$.



$m\angle 1 = 20.5^\circ$

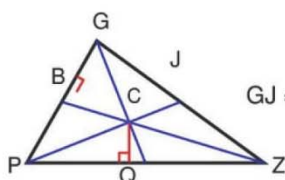
2) $m\angle HLF = 51^\circ$. Find $m\angle 1$.



$m\angle 1 = 25.5^\circ$

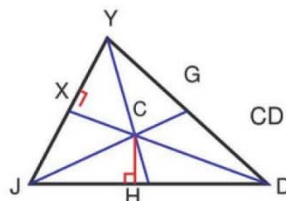
Each triangle shows its three angle bisectors intersecting at point C.

1) $CJ = 8$ and $CG = 15$. Find GJ .



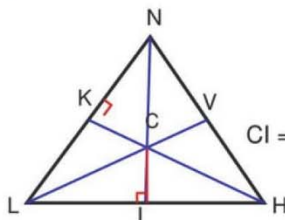
$GJ = 12.69$

2) $HD = 16$ and $CH = 4$. Find CD .



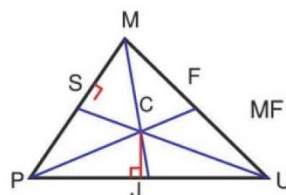
$CD = 16.49$

3) $CV = 11$. Find CI .



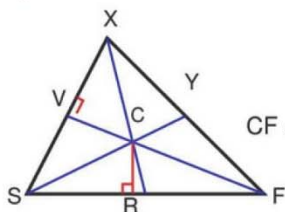
$CI = 11$

4) $CF = 3$ and $CM = 9$. Find MF .



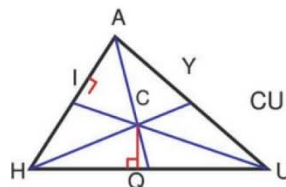
$MF = 8.49$

5) $RF = 13$ and $CR = 7$. Find CF .



$CF = 14.76$

6) $QU = 14$ and $CQ = 5$. Find CU .



$CU = 14.87$