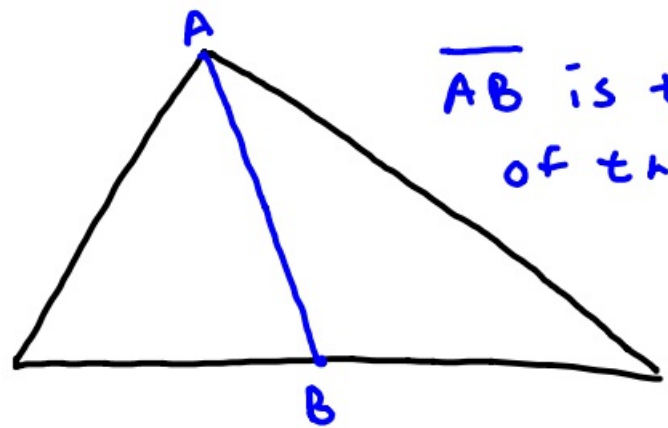
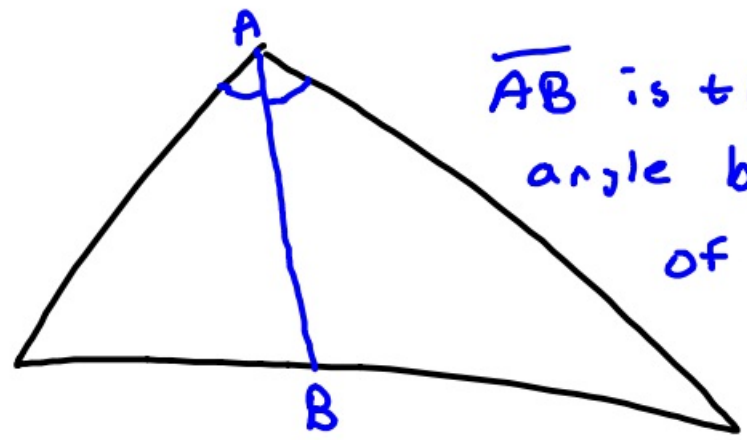


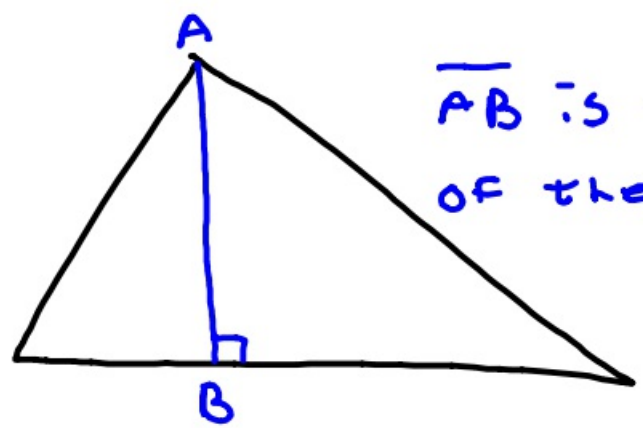
10-30-18 5th Geo



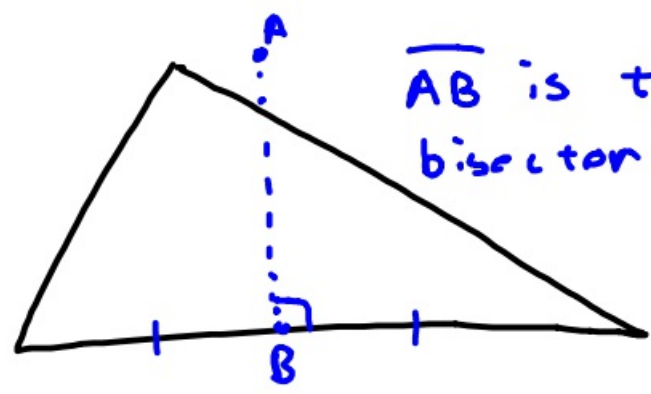
\overline{AB} is the median of the Δ .



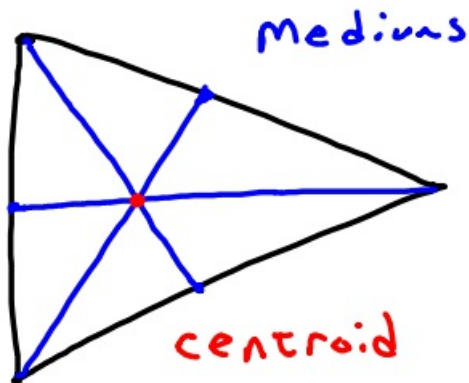
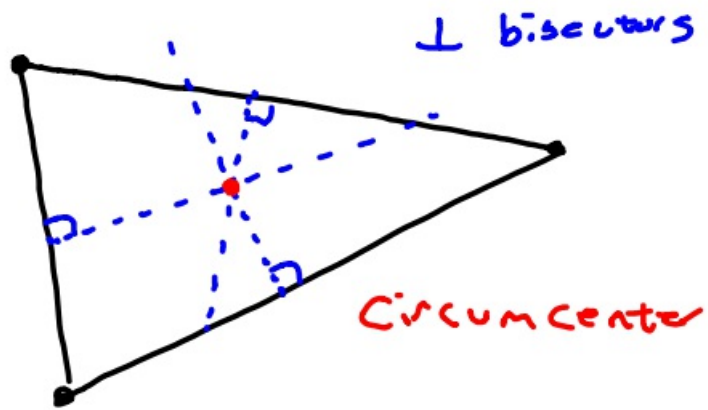
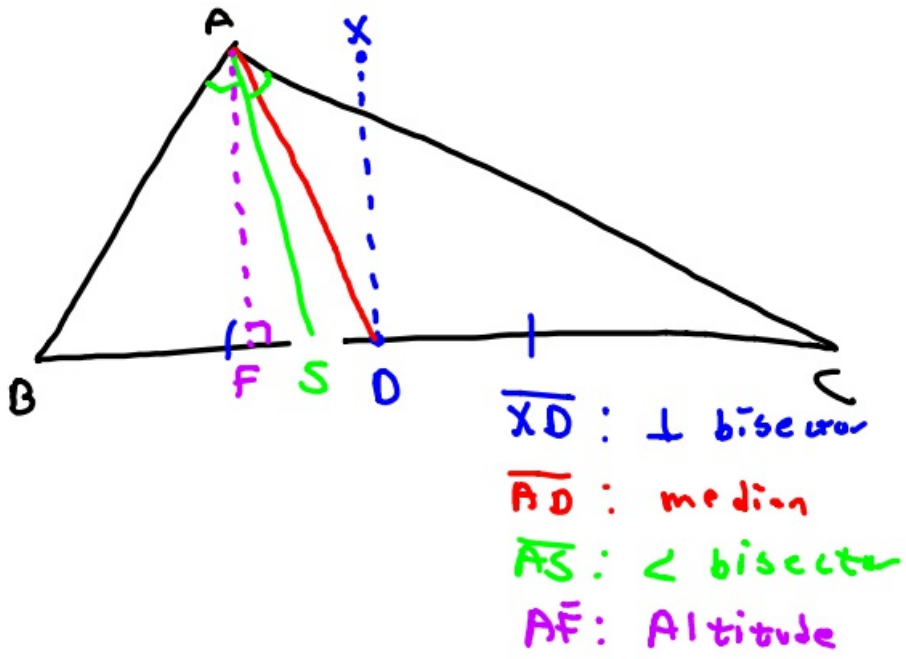
\overline{AB} is the angle bisector of the Δ .



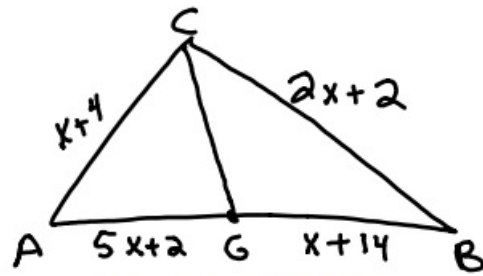
\overline{AB} is the altitude of the Δ .



\overline{AB} is the \perp bisector of the Δ .



Find BC if \overline{CG} is a median of $\triangle ABC$.

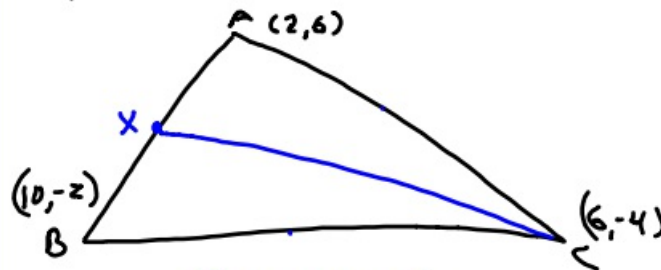


$$5x+2 = x+14$$

$$\begin{array}{r} 5x+2 = x+14 \\ -x \quad -x \\ \hline 4x+2 = 14 \\ -2 \quad -2 \\ \hline 4x = 12 \\ x = 3 \end{array}$$

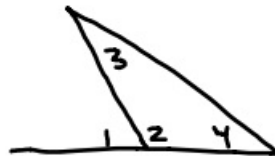
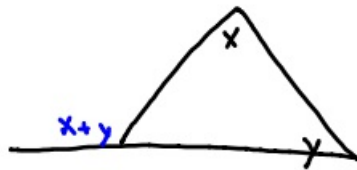
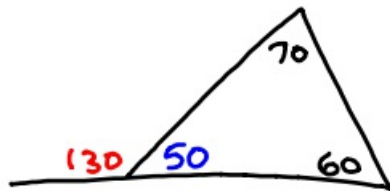
$$\begin{aligned} \overline{BC} &= 2x+2 \\ &= 2 \cdot 3 + 2 \\ &= 8 \end{aligned}$$

In $\triangle ABC$, $A = (2, 6)$, $B = (10, -2)$ and $C = (6, -4)$. What are coordinates of X if \overline{CX} is median of $\triangle ABC$?



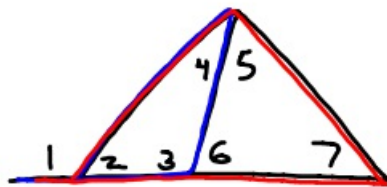
$$X = \left(\frac{10+2}{2}, \frac{6+(-2)}{2} \right)$$

$$X = (6, 2)$$

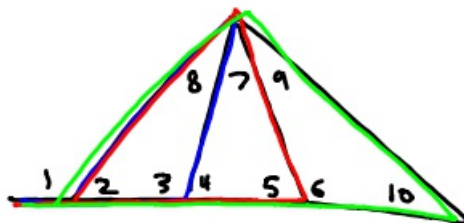


$$\angle 1 > \angle 3$$

$$\angle 1 > \angle 4$$

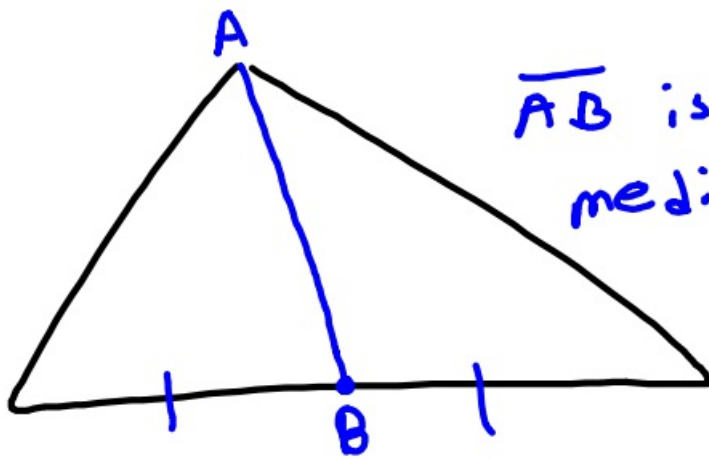


$\angle 1$ is greater than $\angle 3, \angle 4, \angle 7, \angle 5$

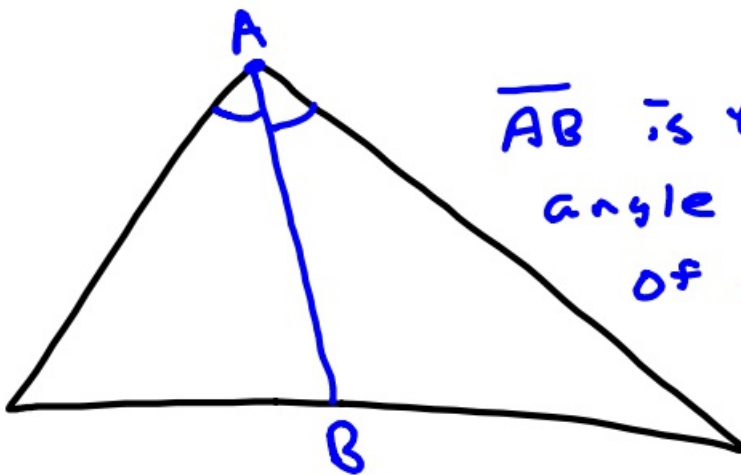


$\angle 1$ is greater than
 $\angle 3, \angle 8$ $\angle 5, \angle 7$ $\angle 10, \angle 9$

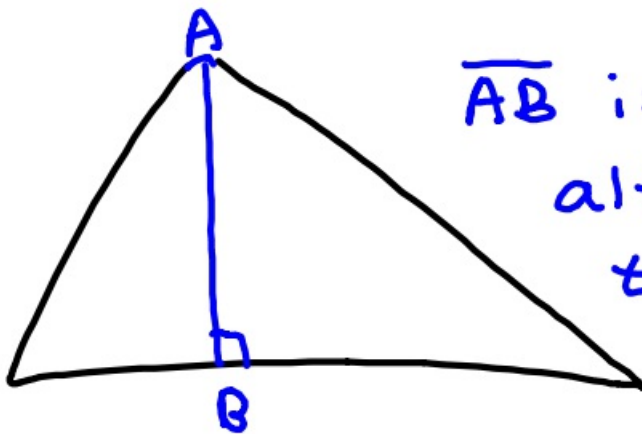
10-30-18 6th Geo



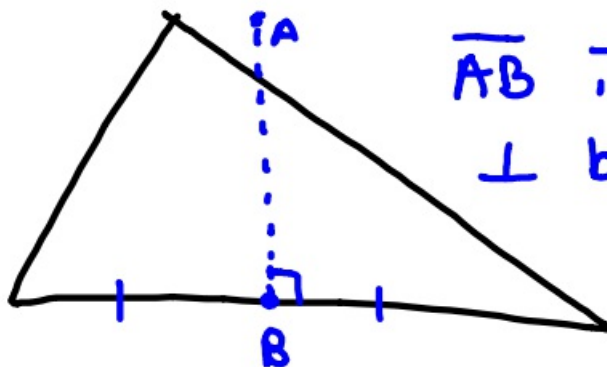
\overline{AB} is the median of the Δ



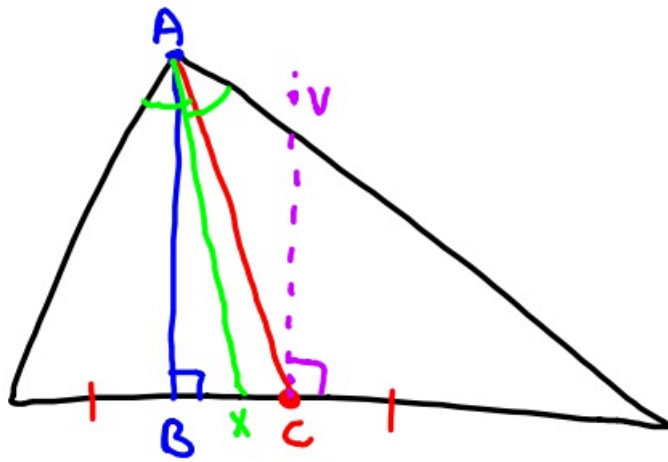
\overline{AB} is the angle bisector of the Δ .



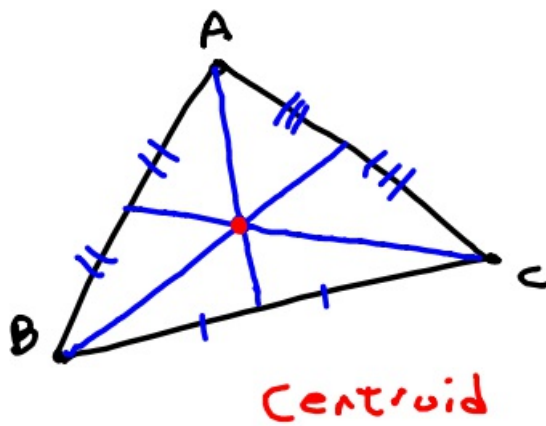
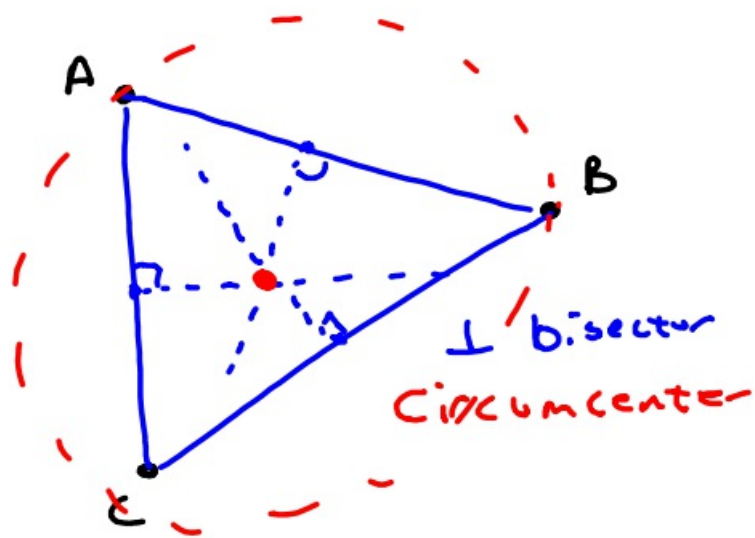
\overline{AB} is the altitude of the Δ .



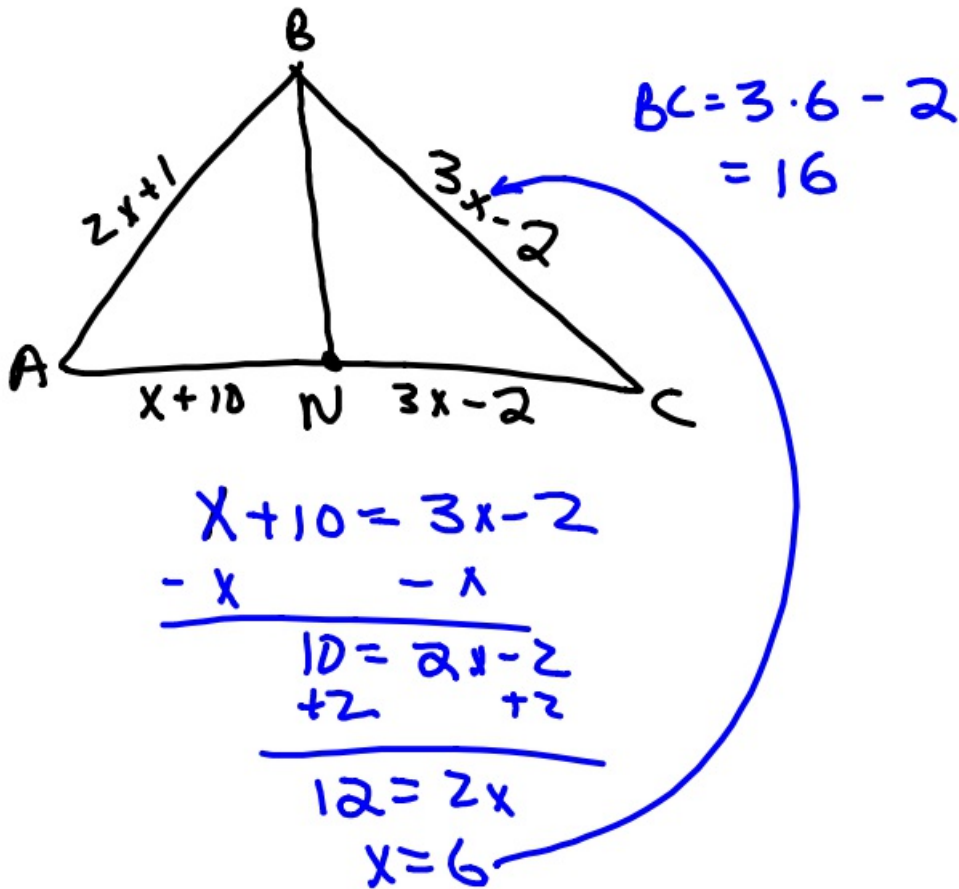
\overline{AB} is the \perp bisector of the Δ .



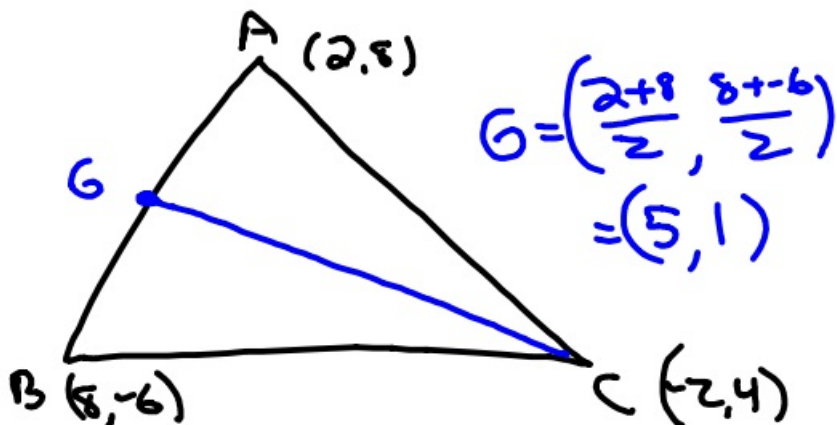
\overline{AB} : Altitude
 \overline{AC} : Median
 \overline{AX} : Angle bisector
 \overline{VC} : \perp bisector

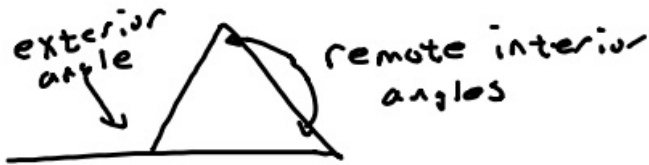
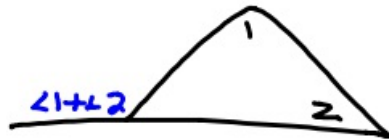
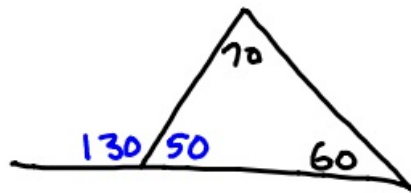


In $\triangle ABC$, \overline{BN} is the median. What is BC ?

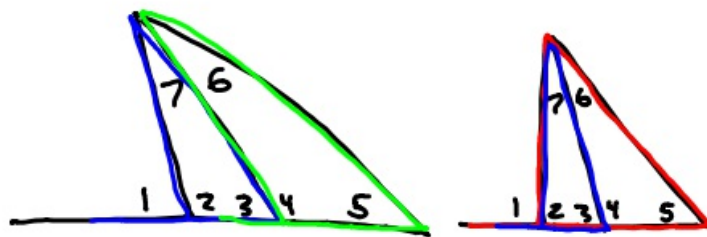


In $\triangle ABC$, $A = (2, 8)$ $B = (8, -6)$ and $C = (-2, 4)$. If \overline{CG} is median of $\triangle ABC$, what are the coordinates of G ?





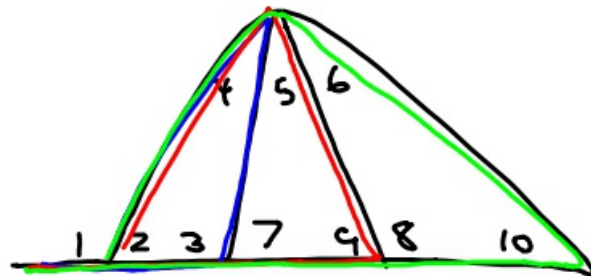
$\angle 1$ greater than $\angle 3 + \angle 4$



$\angle 1$ is greater than

$\angle 3, \angle 7$ $\angle 5, \angle 6$

$\angle 5, \angle 6, \angle 7$
 $\angle 3$



$\angle 1$ is greater than

$\angle 3, \angle 4$ $\angle 9$ $\angle 5$ $\angle 10$ $\angle 6$