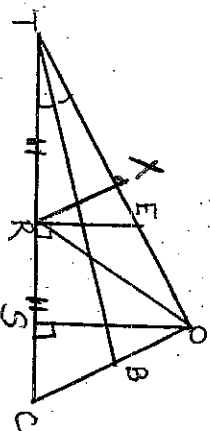


Take Home Quiz due: Friday

- Identify one of each type of special segment in diagram at right by naming segment and writing type of special segment beside it.
 $TX = XO$



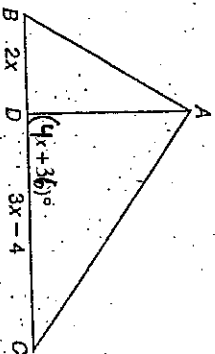
#2-4, Draw a sketch of $\triangle DEC$ with vertices $D(4,5)$, $E(12,-1)$ and $C(-6,8)$ to answer the questions.

- Find the coordinates of M if \overline{CM} is a median of $\triangle DEC$.

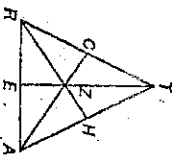
- Find the slope of \overline{DE} 's altitude

- Find the equation of \overline{DC} 's perpendicular bisector.

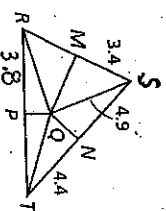
- Use the diagram at right to find BC if \overline{DA} is an altitude of $\triangle ABC$



- Z is the centroid in diagram below
 $CZ = 14$
 $TZ = 30$
 $RZ = AZ$

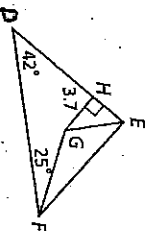


- Find:
 $RS =$
 $RQ =$
 Perimeter $\triangle RST =$



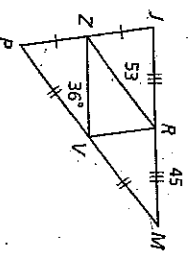
- \overline{MQN} , and \overline{PQ} are perpendicular bisectors. Find:

- \overline{EG} and \overline{FG} are angles bisectors of $\triangle DEF$. Find:
 $m\angle GEF =$
 distance from G to $\overline{FD} =$

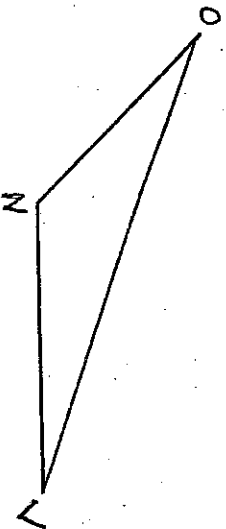


- Find each:

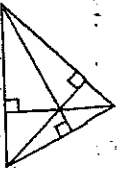
- $ZV =$
 $PM =$
 $m\angle RZV =$



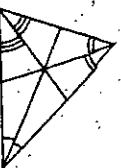
- Construct the angle bisector for $\angle ONV$ and the median for \overline{NV}



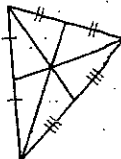
#11-14, Give the name for each point of concurrency.



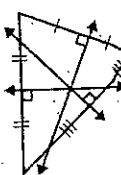
12.



13.



14.



- Construct the orthocenter

