flease have your Centroid packet on your dosk. Start on new packet - You will need noch poper, straightedge, + calculator.

Midpoint of  $\overline{AB}$ A=(-8,6) B=(10,-2)  $\begin{pmatrix} -8+10 \\ 2 \end{pmatrix} \begin{pmatrix} 6+-2 \\ 2 \end{pmatrix}$  $(1,2) \rightarrow label M$ 

## II-IO. Triangle centers

Centroid---point of concurrency of the MEDIANS

Circumcenter --- point of concurrency of the PERPENDICULAR BISECTORS

Incenter--- point of concurrency of the ANGLE BISECTORS

orthocenter -- point of concurrency of the ALTITUDES

median-- segment that connects a vertex to the midpoint of the opposite side (in a triangle)

Perpendicular BISECTORS-- line or segment that divides a segment into two congruent pieces at a 90 degree angle. angle BISECTORS-- line that divides an angle into two congruent angles

- Altitude-- (height) the perpendicular distance from a vertex to the opposite side in a triangle.
- **Concurrent--** lines that intersect in the same point
- Point of concurrency --- point where concurrent lines intersect



Also N-> & L+o BC And Pand 1-6 AC