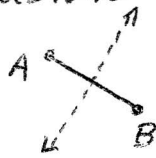


Defn locus - set of points satisfying a given condition

Ex A circle is a locus of points in the plane at a fixed distance from a fixed point.

Ex Describe the locus of points in the plane that are equidistant from the endpoints of a segment.



(It is the line that is the  $\perp$  bisector of  $\overline{AB}$ )

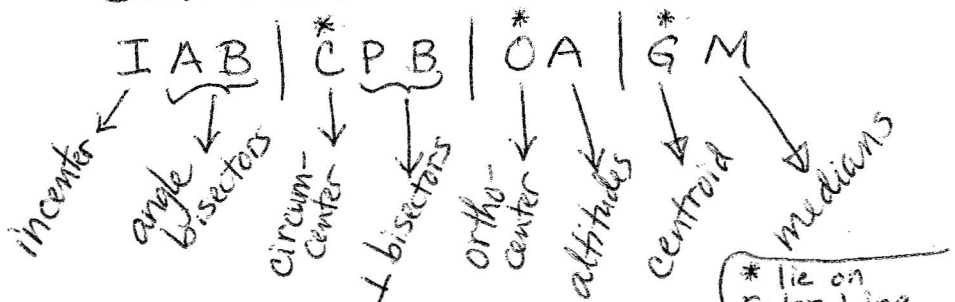
(83)

Defn: Median of a triangle -



segment with one endpoint on the vertex of a triangle and the other endpoint is the midpoint of the opposite side.

"I Always Buy Cling Peaches But Only At Good Markets"



I: equidistant from sides; incircle  
 C: equidistant from vertices; circumcircle  
 G: center of gravity; divides median 2:1.

(84)