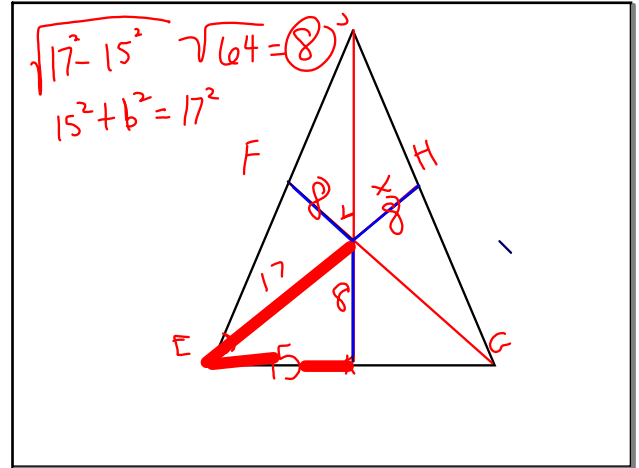


Nov 20-1:39 PM



Nov 20-1:45 PM

Angle Bisector  
 cuts the  $\angle$  in  $\frac{1}{2}$   
 point of concurrency is Incenter  
 Equal distance to sides

Nov 20-2:04 PM

Midsegment connects the midpoints of any two sides. It is parallel to the third side and half the length

The perpendicular bisector DOES NOT have to come from the vertex. It cuts the side in half and is perpendicular to the side at the same time. The Perpendicular Bisectors meet at the Circumcenter and the Circumcenter is equidistance to the vertices.

Nov 20-2:06 PM

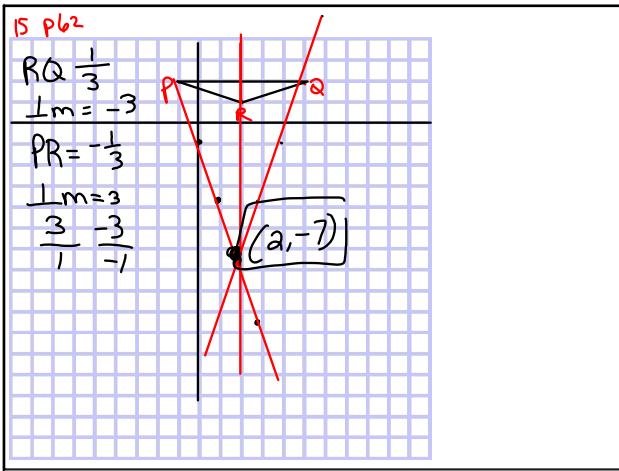
The median cut the side in half. The medians meet at the centroid. The centroid is broken up into thirds.  $\frac{1}{3}$  is from the centroid to the side and  $\frac{2}{3}$  is from the centroid to the vertice.

If AB is 96 cm long how long is AX and BX?  
 AX= 64    BX=32

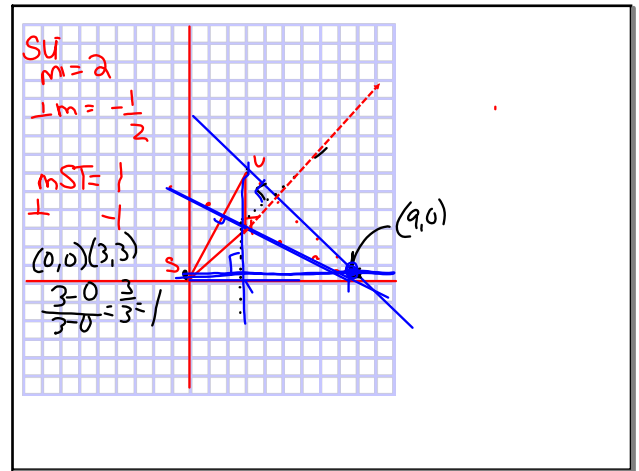
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Altitude meets at the Orthocenter. It comes from the vertex and is perpendicular to the side

Nov 20-2:17 PM



Nov 20-2:19 PM



Nov 20-2:30 PM