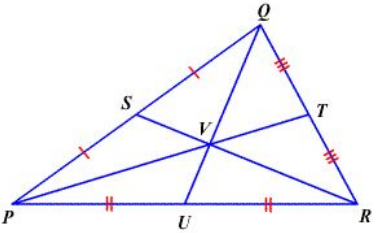
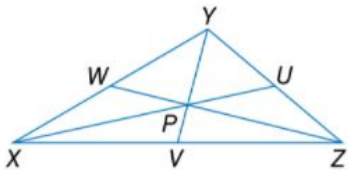


Median:

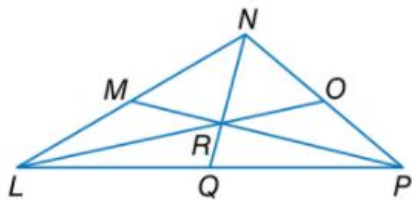
Centroid:

<p>Centroid Theorem</p>	<p>The medians of a triangle intersect at a point called the centroid that is two thirds of the distance from each vertex to the midpoint of the opposite side</p>	
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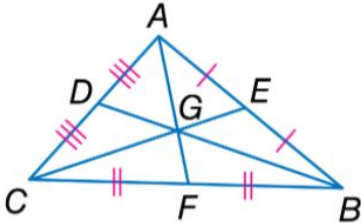
3. In $\triangle XYZ$, $YV = 12$ and P is the centroid. Find $YP = ?$ and $PV = ?$



4. In $\triangle LNP$, R is the centroid and $LO = 30$. Find $LR = ?$ and $RO = ?$

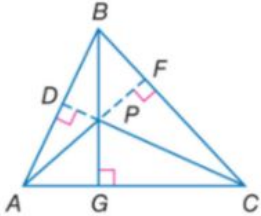


2. In $\triangle ABC$ $CG = 4$. Find $GE =$



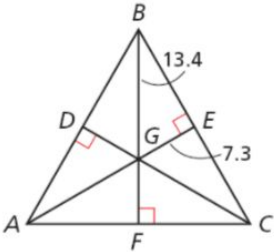
Altitude:

Orthocenter:

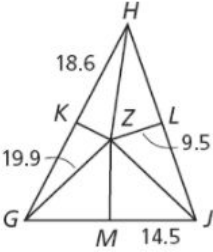


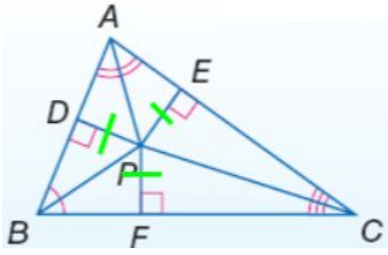
Circumcenter Theorem	The vertices of a triangle are equidistant from the circumcenter.	
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3. G is the circumcenter of $\triangle ABC$.
Find $GC =$

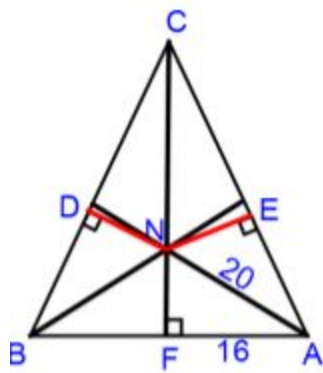


5. Z is the circumcenter of $\triangle GJH$.
Find $GM =$



<p>Incenter Theorem</p>	<p>The incenter of a triangle is equidistant from the sides of the triangle.</p>	
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6. N is the incenter of the triangle. Find ND :



7. In the figure point D is the incenter. Determine which segments are congruent to \overline{DG} .

