
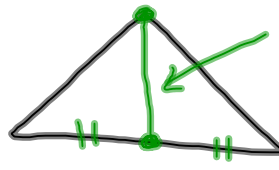
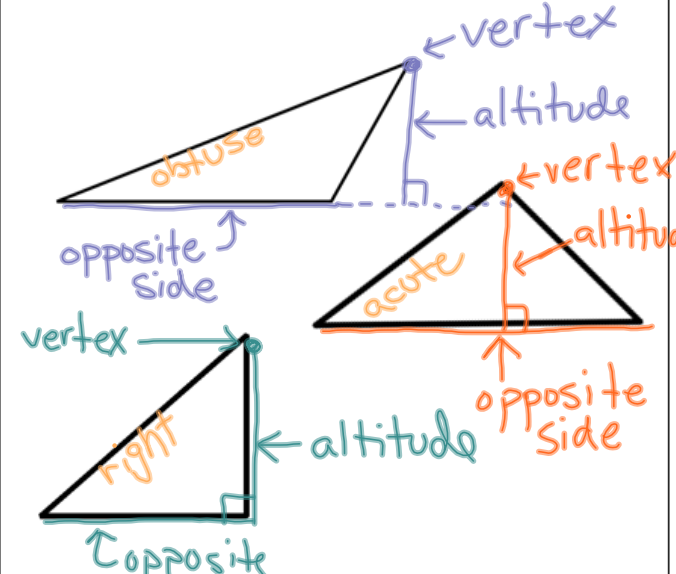


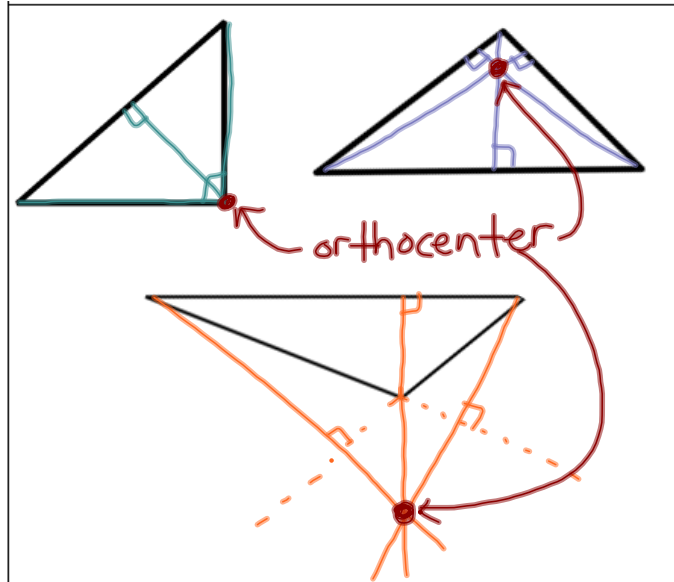
<p>Altitude</p>	<p>a segment that goes from a vertex of a Δ to the opposite side at a right angle.</p>	
<p>Median</p>	<p>a segment that goes from a vertex of a Δ to the midpoint of the opp. side.</p>	

Dec 4-9:00 AM

TOC pg 100 U 6-Altitudes & Medians

<p>Altitude</p> <ul style="list-style-type: none"> Goes from the <u>vertex</u> to the <u>opposite side</u> <u>Perpendicular</u> to the opposite side, making it a <u>right angle</u> <u>Outside the</u> triangle in an <u>obtuse</u> triangle All three altitudes meet at a point called the <u>orthocenter</u> 	
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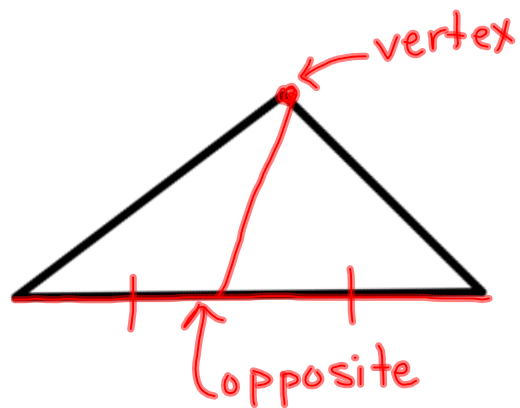
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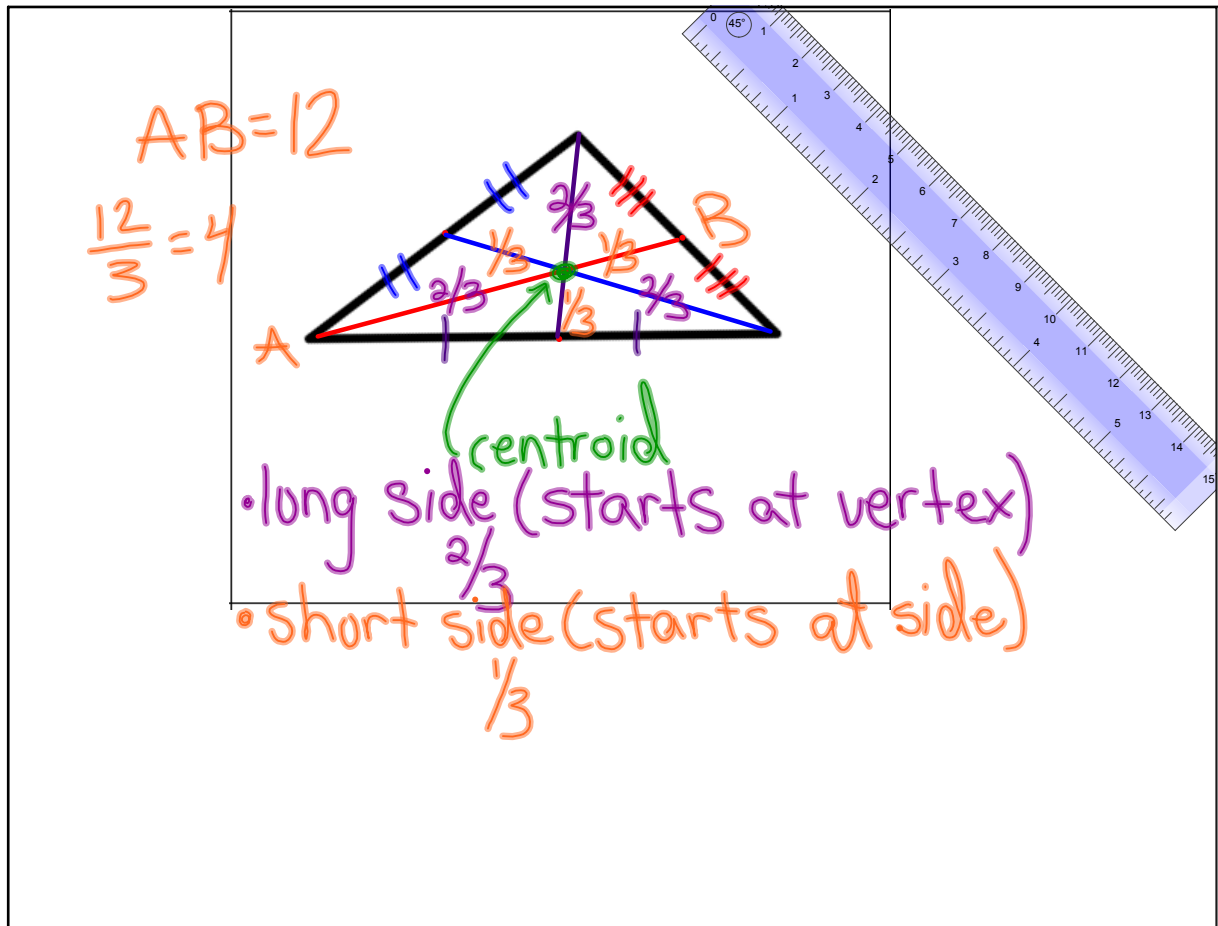
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Median

- Goes from the vertex to the midpoint of the opposite side
- DOES NOT bisect an angle unless it is given!!!
- All three medians meet at a point called the centroid



Dec 4-9:05 AM



Dec 4-9:06 AM

- The _____ is the line segment that goes from the midpoint of a side to the opposite vertex of a triangle.
- The _____ is the intersection of the medians.
- The _____ is the line segment from the vertex of a triangle to the opposite side and forms a right angle.
- The _____ is the intersections of the altitudes.
- The orthocenter is outside the triangle on the _____ triangle.

6. On the graph, find the centroid of the triangle with vertices A (-5, 5) B (-3, 1) and C(3, 5).

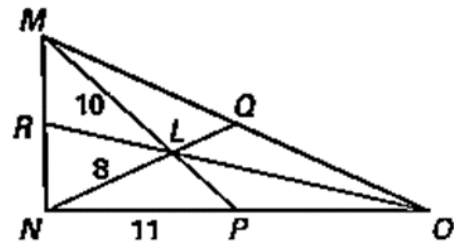
7. On the graph, find the centroid of the triangle with vertices A (-6, 0) B (0, 6) and C(6, 0).

Dec 4-9:06 AM

Use the figure shown and the given information.

L is the centroid of $\triangle MNO$, $NP = 11$, $ML = 10$, and $NL = 8$.

8. Find the length of \overline{PO} .
9. Find the length of \overline{MP} .
10. Find the length of \overline{LQ} .
11. Find the length of \overline{NQ} .
12. Find the perimeter of $\triangle NLP$.

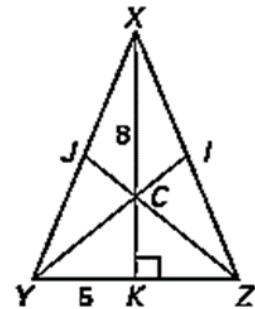


Use the figure shown and the given information.

C is the centroid of $\triangle XYZ$, $YK = 5$, $XC = 8$, $YI = 9.6$ and $\overline{XK} \perp \overline{YZ}$.

13. Find the length of \overline{CK} .
14. Find the length of \overline{XR} .
15. Find the length of \overline{YC} .
16. Find the length of \overline{KZ} .
17. Find the length of \overline{JZ} .
18. Find the length of \overline{JZ} .
19. Find the perimeter of ~~triangle~~ $\triangle CKZ$.

$$\overline{JZ} \cong \overline{YI}$$



Dec 4-9:06 AM

Dec 4-4:11 PM