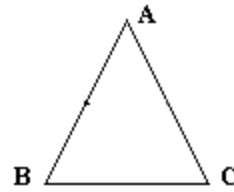
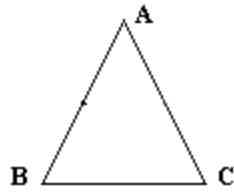
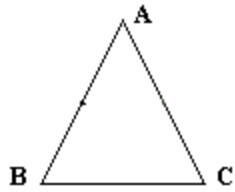
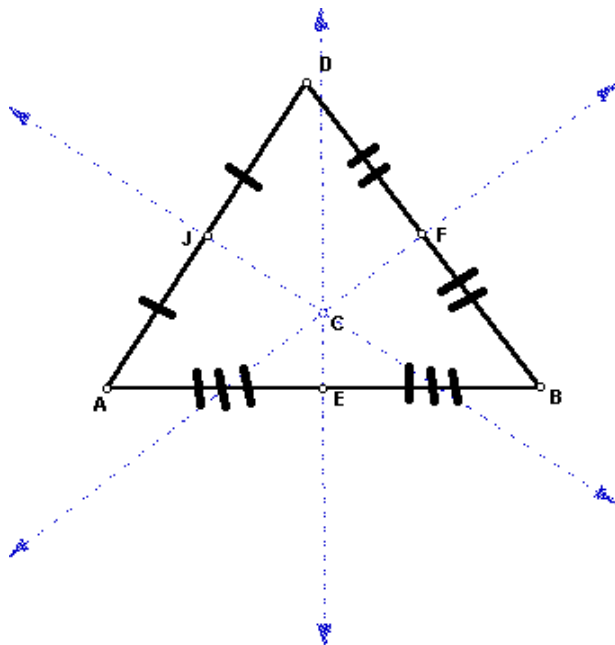


Name: _____
 Date: _____
 Class: _____

Geometry
 Unit 4
 HW 4-6

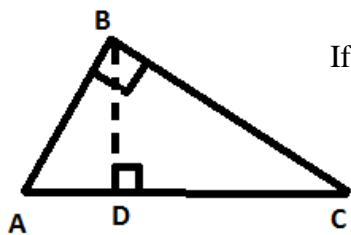


- 1) In the first triangle sketch a median from A to \overline{BC} with proper marks.
- 2) In the second triangle sketch an angle bisector for $\angle B$ with proper marks.
- 3) In the 3rd triangle sketch an altitude from C with proper marks.



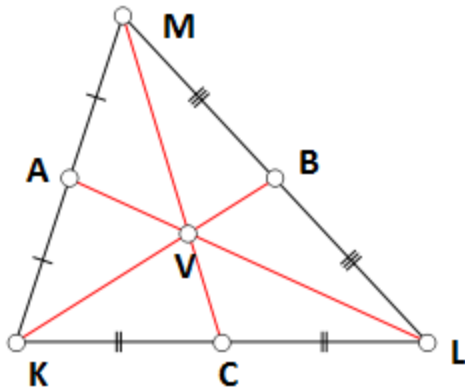
- 4) The 3 lines are called (each is perpendicular to the side it intersects):
- 5) Point G is called the:
- 6) How do CG, CG, and CA compare in length?

7)



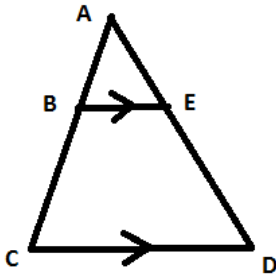
If $AB = 14$ and $AD = 7$, find the area and perimeter of $\triangle ABC$

Use this diagram for all questions on this page.



8) If $LV = 2x + 2$ and $LA = 2x + 12$ find x .

9)



In the following triangle, $BE = x + 2$, $AE = x + 4$, $CD = 3x + 2$, and $ED = x + 9$. Find and explain BE .