

Geometry - Medians and Altitudes of a Triangle Worksheet

Answer the following questions using information from previous lessons.

1. What are concurrent lines?

Three or more lines that meet at one point.

2. What is a point of concurrency?

The point of intersection of concurrent lines.

3. What is a perpendicular bisector of a triangle?

A line, ray, or segment that is perpendicular to a side of a triangle at the midpoint.

4. What is an angle bisector of a triangle?

A line, ray, or segment that bisects the angle of a triangle.

5. What is a circumcenter?

The point of concurrency formed by perpendicular bisectors of a triangle.

6. What is an incenter?

The point of concurrency formed by angle bisectors of a triangle.

Answer the following questions over medians and altitudes of a triangle.

7. What is a median of a triangle?

A segment that starts at the vertex and goes to the midpoint of the opposite side of a triangle.

8. What is an altitude of a triangle?

A segment that starts at the vertex and comes to a right angle at the opposite side (height).

9. What is a centroid?

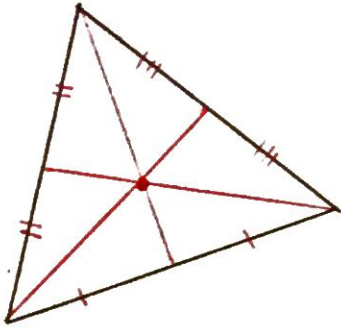
The point of concurrency formed by medians of a triangle.

10. What is an orthocenter?

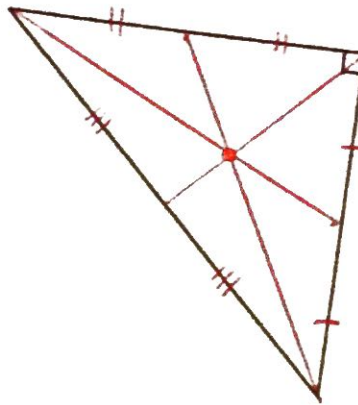
The point of concurrency formed by altitudes of a triangle.

Find the centroid of each triangle. (Draw the medians of the triangle)

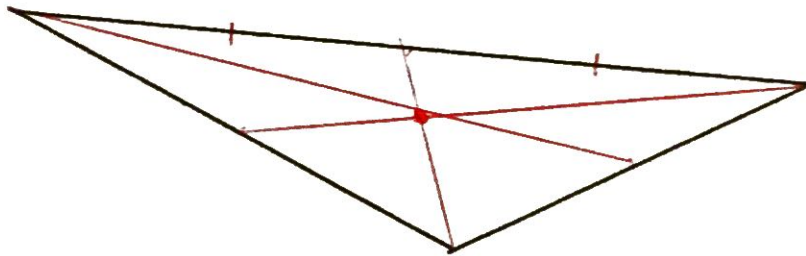
11.



12.

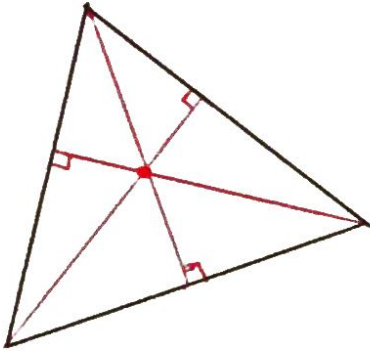


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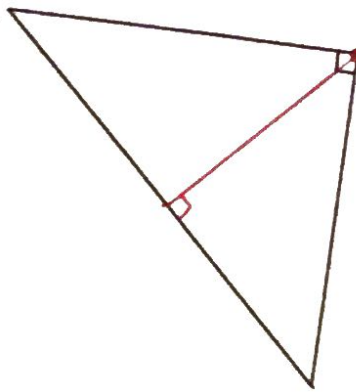


Find the orthocenter of each triangle. (Draw the altitudes of the triangle)

14.



15.



16.

