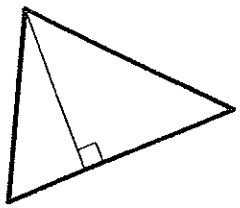
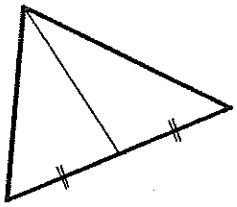
Name: _____ **Geometry – Points of Concurrency Worksheet**

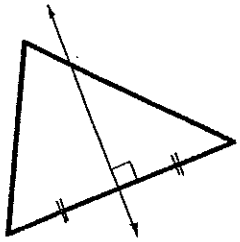
Circle the letter with the name of the segment/line/ray shown.

1. 

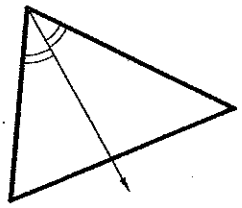
(a) perpendicular bisector
(b) angle bisector
(c) median
(d) altitude

2. 

(a) perpendicular bisector
(b) angle bisector
(c) median
(d) altitude

3. 

(a) perpendicular bisector
(b) angle bisector
(c) median
(d) altitude

4. 

(a) perpendicular bisector
(b) angle bisector
(c) median
(d) altitude

Circle the letter with the name of the correct point of concurrency.

5. The three altitudes of a triangle intersect at the _____.

(a) circumcenter (b) incenter (c) centroid (d) orthocenter

6. The three medians of a triangle intersect at the _____.

(a) circumcenter (b) incenter (c) centroid (d) orthocenter

7. The three perpendicular bisectors of a triangle intersect at the _____.

(a) circumcenter (b) incenter (c) centroid (d) orthocenter

8. The three angle bisectors of a triangle intersect at the _____.

(a) circumcenter (b) incenter (c) centroid (d) orthocenter

9. It is equidistant from the three vertices of the triangle.

(a) circumcenter (b) incenter (c) centroid (d) orthocenter

10. It is equidistant from the three sides of the triangle.

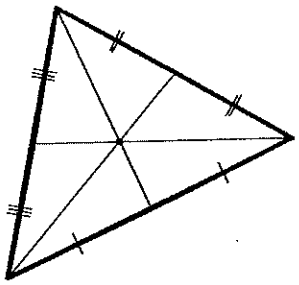
(a) circumcenter (b) incenter (c) centroid (d) orthocenter

11. It divides each median into two sections at a 2:1 ratio.

(a) circumcenter (b) incenter (c) centroid (d) orthocenter

Name the point of concurrency shown.

12.



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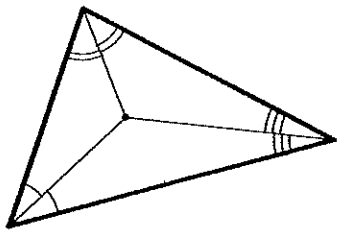

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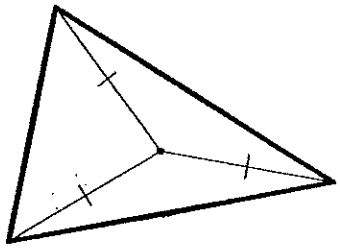

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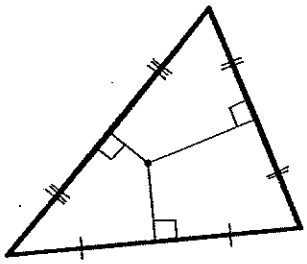

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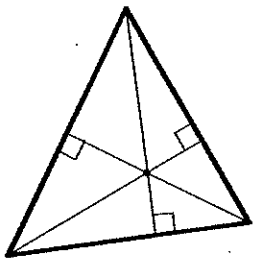

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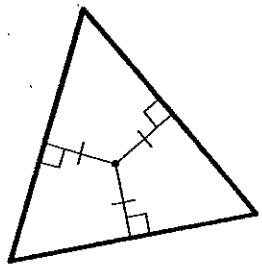

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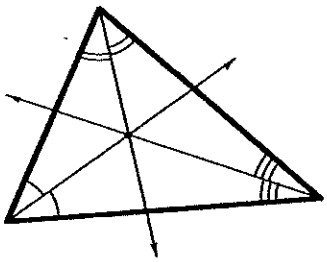

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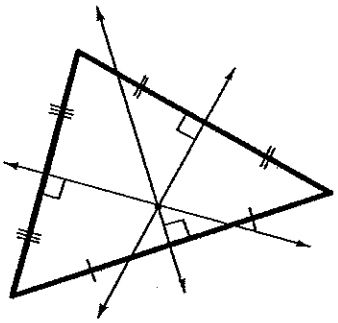

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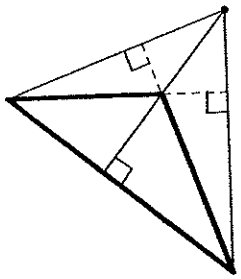

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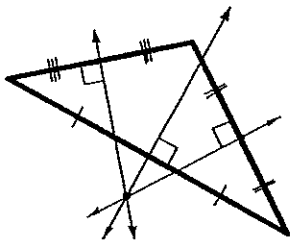

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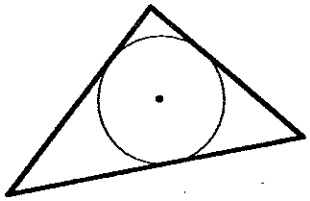

23.