Name: _____AVL_____

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

1.
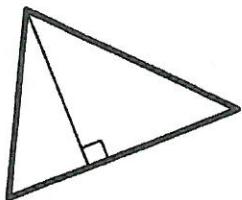
(a) perpendicular bisector
(b) angle bisector
(c) median
(d) altitude *(circled)*

2.
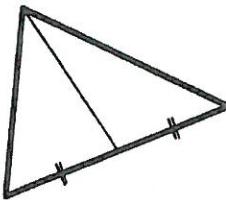
(a) perpendicular bisector
(b) angle bisector
(c) median *(circled)*
(d) altitude

3.
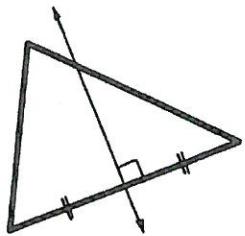
(a) perpendicular bisector *(circled)*
(b) angle bisector
(c) median
(d) altitude

4.
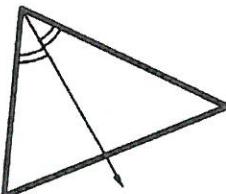
(a) perpendicular bisector
(b) angle bisector *(circled)*
(c) median
(d) altitude

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 *(circled)*

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

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

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

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

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

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

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

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

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

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

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

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

Name the point of concurrency shown.

12.

Centroid

13.
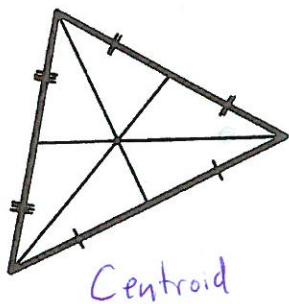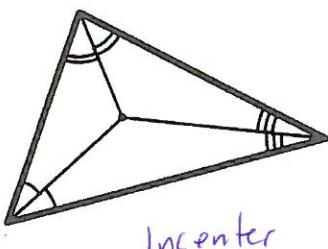
Incenter

14.
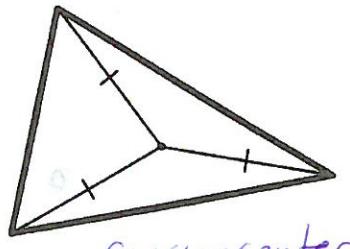
Circumcenter

15.
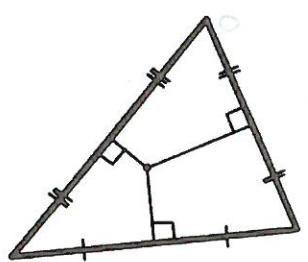
Circumcenter

16.
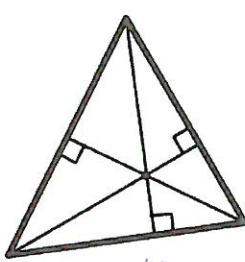
orthocenter

17.

Incenter

18.
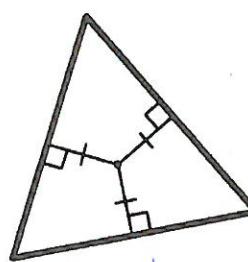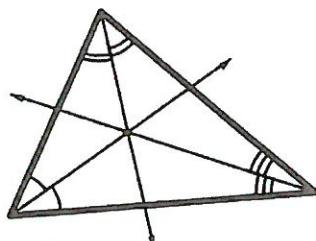
Incenter

19.
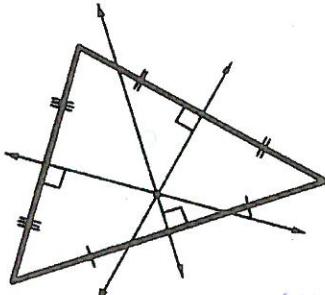
circumcenter

20.
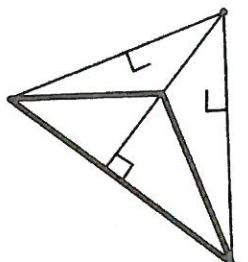
orthocenter

21.

circumcenter

22.

Incenter

23.

Circumcenter.