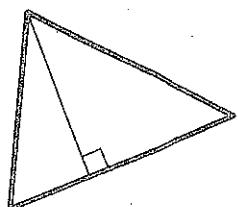


Name: _____

Geometry – Points of Concurrency Worksheet

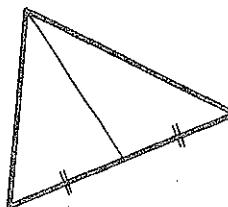
Circle the letter with the name of the segment/line/ray shown.

1.



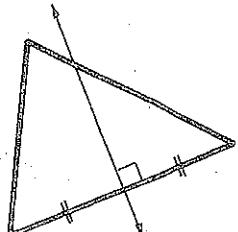
- (a) perpendicular bisector
- (b) angle bisector
- (c) median
- (d) altitude

2.



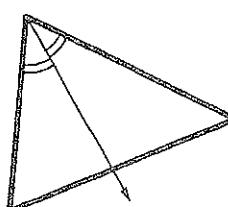
- (a) perpendicular bisector
- (b) angle bisector
- (c) median
- (d) altitude

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.

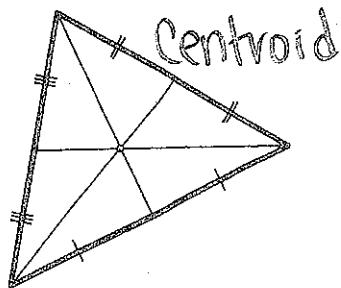
- (a) circumcenter
- (b) incenter
- (c) centroid
- (d) orthocenter

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

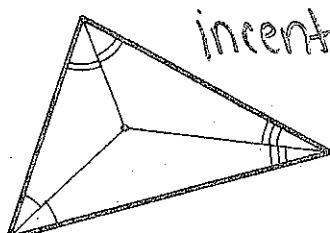
- (a) circumcenter
- (b) incenter
- (c) centroid
- (d) orthocenter

Name the point of concurrency shown.

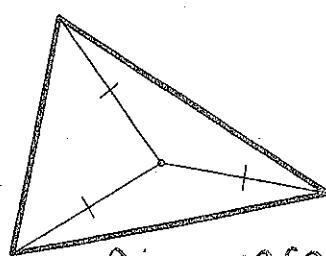
12.



13.

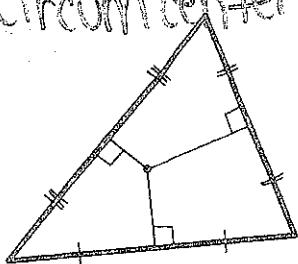


14.

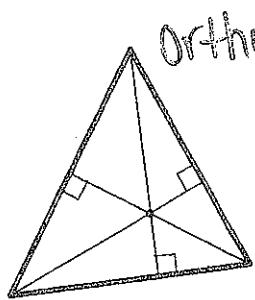


Circumcenter

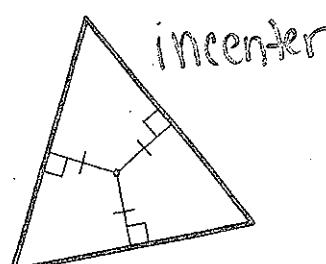
15. Circumcenter



16.

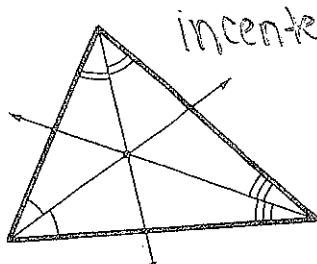


Orthocenter

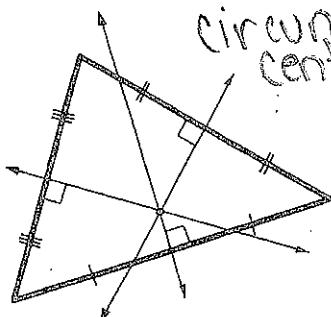


Circumcenter

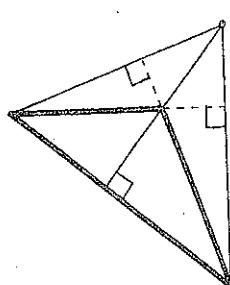
18.



19.

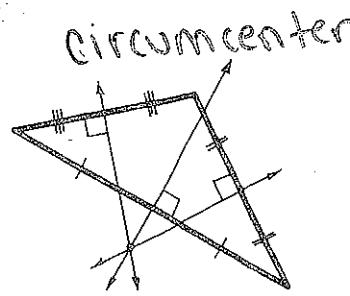


circumcenter

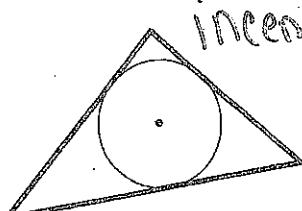


Orthocenter

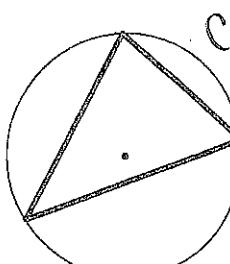
21.



22.



circumcenter



Orthocenter