

Practice

Give the name the point of concurrency for each of the following and sketch.

1. Angle Bisectors of a Triangle IN CENTER

2. Medians of a Triangle CENTROID

4. Perpendicular Bisectors of a Triangle CIRCUMCENTER

Complete each of the following statements.

5. The *incenter* of a triangle is equidistant from the 3 sides of the triangle.

6. The *circumcenter* of a triangle is equidistant from the vertices of the triangle.

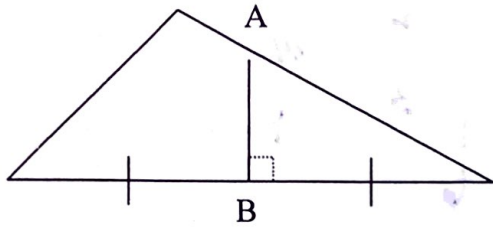
7. The *centroid* is $\frac{2}{3}$ of the distance from each vertex to the midpoint of the opposite side.

8. To *inscribe* a circle about a triangle, you use the incenter.

9. To *circumscribe* a circle about a triangle, you use the circumcenter.

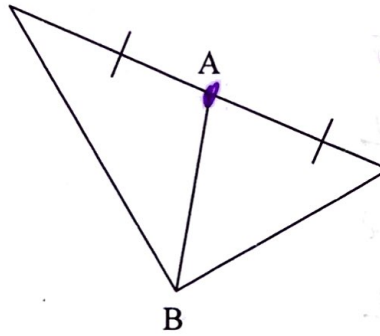
Is segment AB a perpendicular bisector, angle bisector, median, altitude, or none of these?

46)



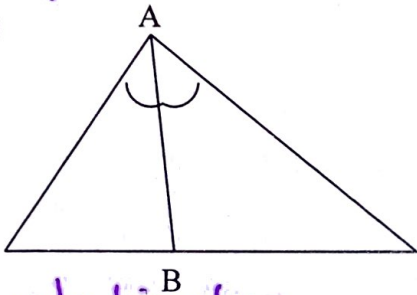
perpendicular bisector

47)



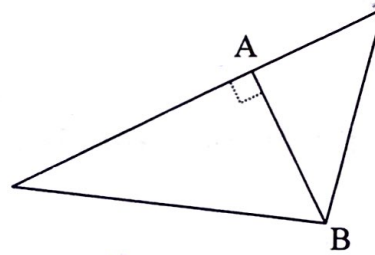
median

48)



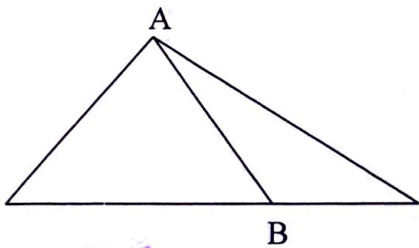
angle bisector

49)



altitude

50)



none