

Point of Concurrency Worksheet

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

1. Angle Bisectors of a Triangle _____
2. Medians of a Triangle _____
3. Altitudes of a Triangle _____
4. Perpendicular Bisectors of a Triangle _____

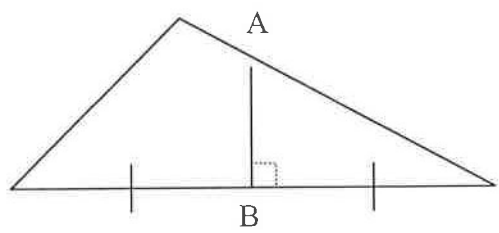
Complete each of the following statements.

5. The *incenter* of a triangle is equidistant from the _____ of the triangle.
6. The *circumcenter* of a triangle is equidistant from the _____ of the triangle.
7. The *centroid* is _____ of the distance from each vertex to the midpoint of the opposite side.
8. To *inscribe* a circle about a triangle, you use the _____ SKIP _____
9. To *circumscribe* a circle about a triangle, you use the _____ SKIP _____
10. Complete the following chart. Write if the point of concurrency is inside, outside, or on the triangle.

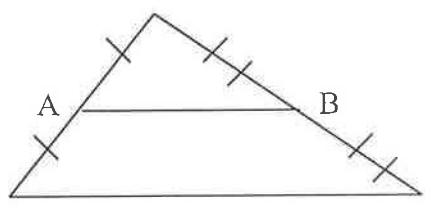
	Acute Δ	Obtuse Δ	Right Δ
Circumcenter			
Incenter			
Centroid			
Orthocenter			

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

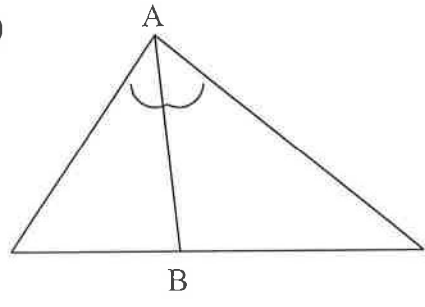
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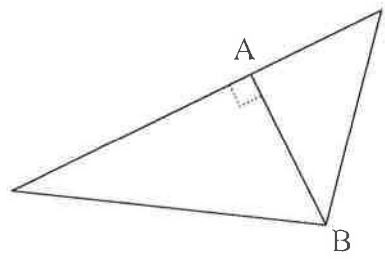
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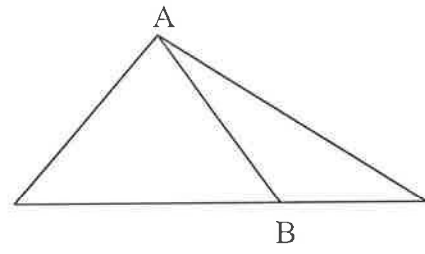
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