

**Geometry – Bisectors in Triangles**  
**9c Homework: Incenter of Triangles**

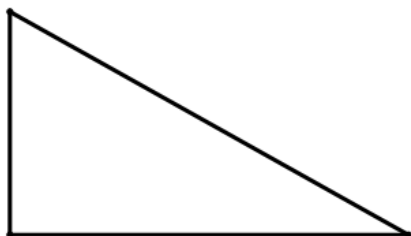
Name \_\_\_\_\_  
Pd \_\_\_\_\_ Date \_\_\_\_\_

1. There have been many vocabulary words used throughout the last few lessons as we explored several geometric concepts, figures and theorems. Discuss the following pairs of words with a partner and discuss how their meanings are different. Then, write down a summary of what you discussed to explain the difference between them. Although not required, sometimes it may be helpful to draw a diagram to help clarify your explanations.

	<b>Explanation of how they are different</b>
Altitude of a triangle vs. Median of a triangle	
Perpendicular Bisector vs. Angle Bisector	
Centroid vs. Circumcenter	
Circumcenter vs. Incenter	

Construct the angle bisectors of any two angles of the triangle to identify the incenter of the triangle and use your compass to draw the largest circle that can be contained inside the circle. \*You will need 2 sheets of patty paper for this assignment.

2.



3.

