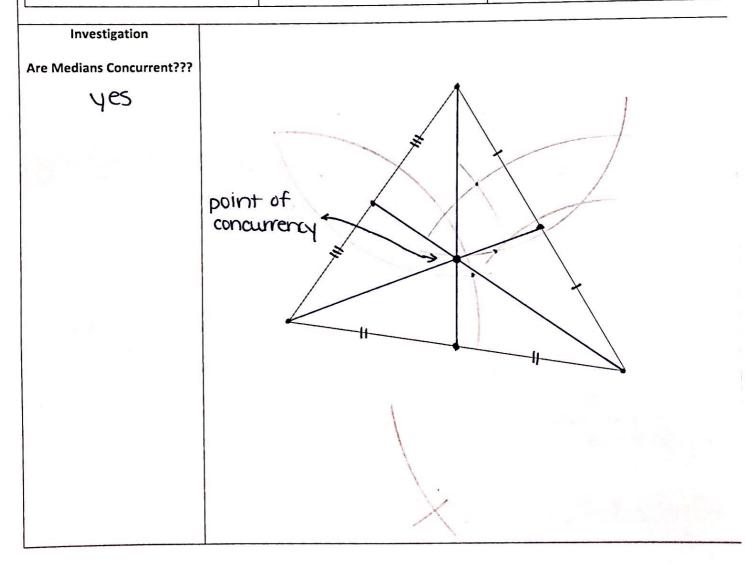
H.Geometry - Chapter 3 - Definition Sheet

Section 3.9					
Name	Concurrency of:	Special Properties:			
Incenter	angle bisectors	center of inscribed			
Circumcenter	1 bisectors	center of circum- scribed circle			
Orthocenter	altitudes	?			
?	Medians	?			



H.Geometry - Chapter 3 - Definition Sheet

Median Concurrencry Conjecture	The three			
centroid of a triangle	The point of concurrency of the of a triangle.			
Centroid	The			
Section 3.8 (Exploration)				
<u>center</u> of	The "balancing point" of a figure			
gravity	• In physics, it's the imaginary point where an object's total weight is concentrated.			
	Questions: Where is the center of gravity of a triangle? Centroid Where is a human's center of gravity? belly button			
Center of Gravity Conjecture	The <u>Centroid</u> of a triangle is the center of gravity of the triangular region			
<u>Ewer</u> Line	A special line that contains 3 out of the 4 points of concurrency.			
EUCY conjecture	The <u>Centroid</u> , the <u>orthocenter</u> , and the <u>circumcenter</u> are the three points of concurrency that always lie on the Euler Line.			

H.Geometry - Chapter 3 - Definition Sheet

Euler Segment	Segment on Euler Line created by the three points of concurrency.	
EUCY Segment conjecture	The	

Points of Concurrency in Triangles

Point Name	Concurrency of:	Special Properties	On Euler Line?
Incenter	angle bisectors	center of inscribed circle	no -
Circumcenter	1 bisectors	center of circumscribed circle	yes
Orthocenter	altitudes		yes
Centroid	medians	center of gravity	yes

median divided into = and =