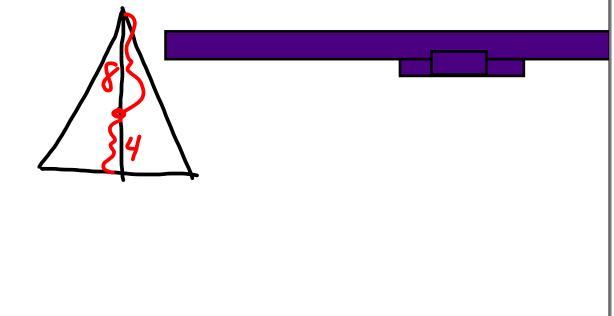


Investigation 3.9 on Geometer's Sketchpad

Median Concurrency Conjecture: The three medians of a triangle are concurrent.

Centroid: The point of concurrency of the medians of a triangle

Centroid Conjecture: The centroid of a triangle divides each median into two parts so that the distance from the centroid to the vertex is **twice** the distance from the centroid to the midpoint on the opposite side.



Homework:

-Draw 4 acute triangles. In one triangle construct a circumcenter. In the second one, construct an incenter. In the third one, construct an orthocenter. In the last one, construct a centroid

