

Name:

Date:

Period:

Constructions of Points of Concurrency

Lesson Objective: INBAT construct points of concurrency in Δ s.

1. Construct the circumcenter of the triangle.

**recall vocab: The circumcenter is the point of concurrency of the perpendicular bisectors.

**recall theorems: The circumcenter is equidistant from the vertices of the triangle.

circumcenter

Now you try!

circumcenter

2. Construct the incenter of the triangle.

**recall vocab: The incenter is the point of concurrency of the angle bisectors.

**recall theorems: The incenter is equidistant from the sides of the triangle.

incenter

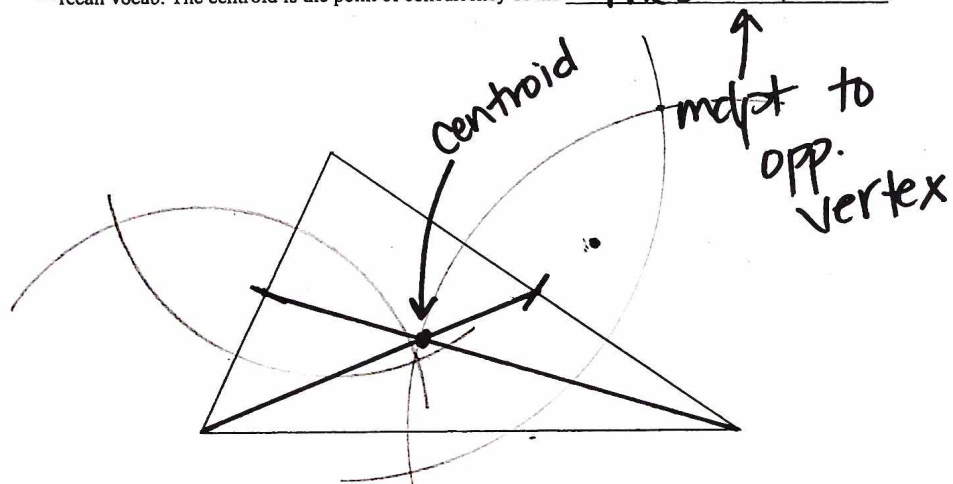
Now you try!

incenter

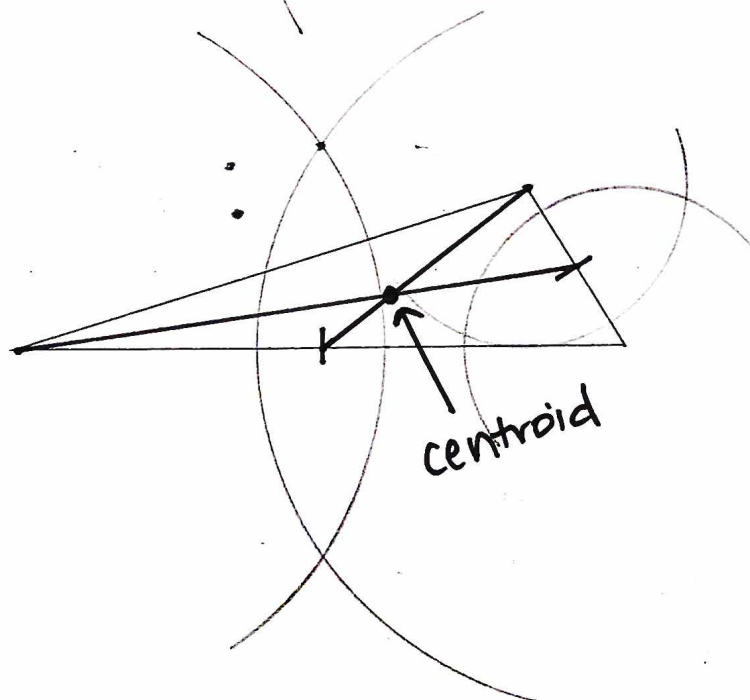
YouTube Links
for these constructions
on the calendar!

3. Construct the centroid of the triangle.

**recall vocab: The centroid is the point of concurrency of the medians.



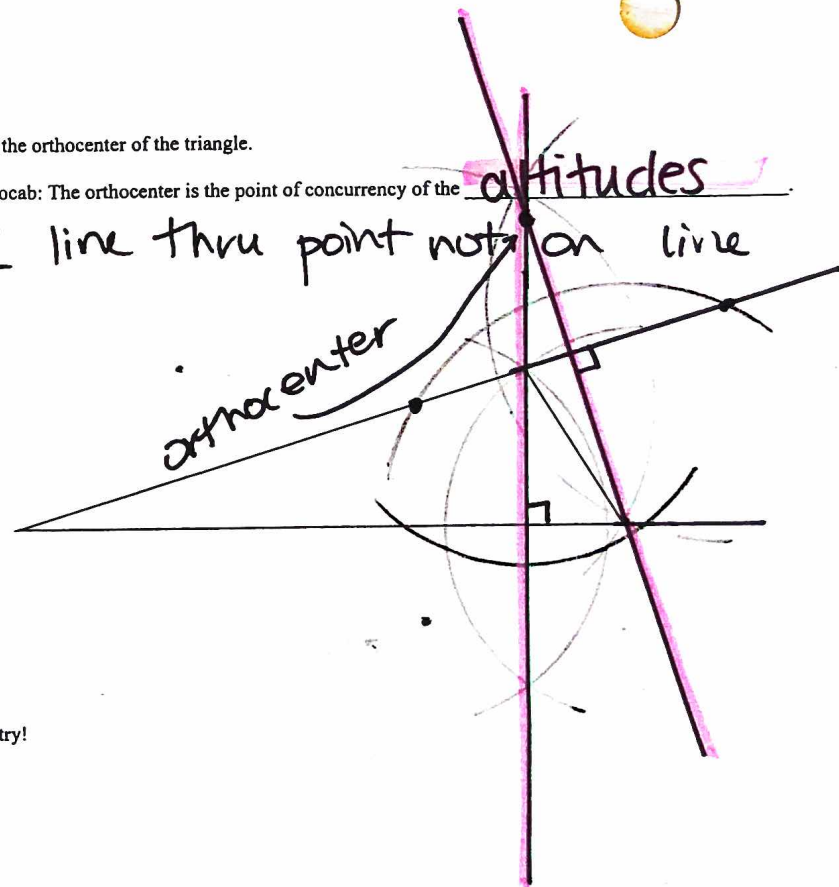
Now you try!



4. Construct the orthocenter of the triangle.

**recall vocab: The orthocenter is the point of concurrency of the altitudes.

$\perp$ line thru point not on line



Now you try!

