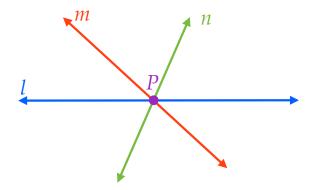
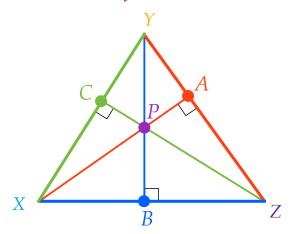
When three or more lines intersect at one point, the lines are said to be concurrent.

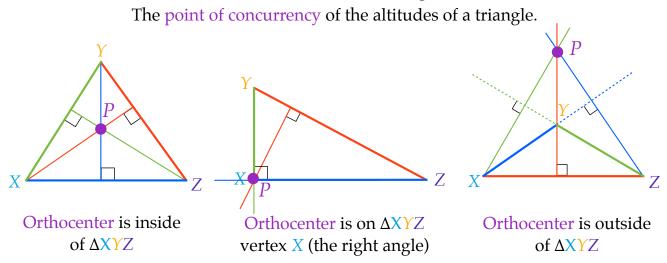


Orthocenter of a Triangle

The point of concurrency of the altitudes of a triangle.

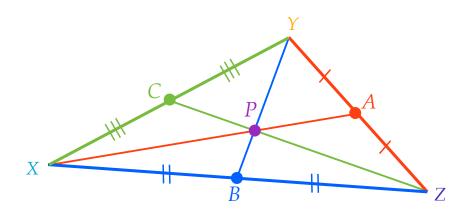


Orthocenter of a Triangle



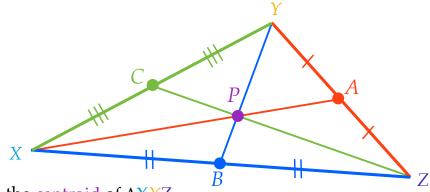
Centroid of a Triangle

The point of concurrency of the medians of a triangle.



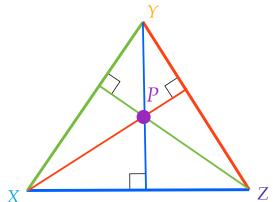
Centroid Theorem

The distance from the vertex to the centroid is two-thirds to the distance from the vertex to the midpoint of the opposite side.



Point *P* is the centroid of $\Delta X Y Z$

Orthocenter of a Triangle
The point of concurrency of the altitudes of a triangle.



Centroid of a Triangle
The point of concurrency of the medians of a triangle.

