$$
5-1 \text { day } 2
$$

## Median:

* A segment whose endpoints are a vertex of a triangle and the midpoint of the side opposite the vertex.


## Centroid:

*The common point where the medians of a triangle all intersect.

* The point of balance for a triangle.


## Centroid Theorem:

* The centroid of a triangle is located twothirds of the distance from a vertex to the midpoint of the side opposite the vertex on a median.
* See Theorem 5.7 on page 240



## Altitude of a Triangle:

*A segment from a vertex of the triangle, to the side opposite it, and it must be perpendicular to the side.

* Every triangle has 3 altitudes, one from each of the vertices.



## Orthocenter:

* The point of concurrency of the altitudes.

November 07, 2013


