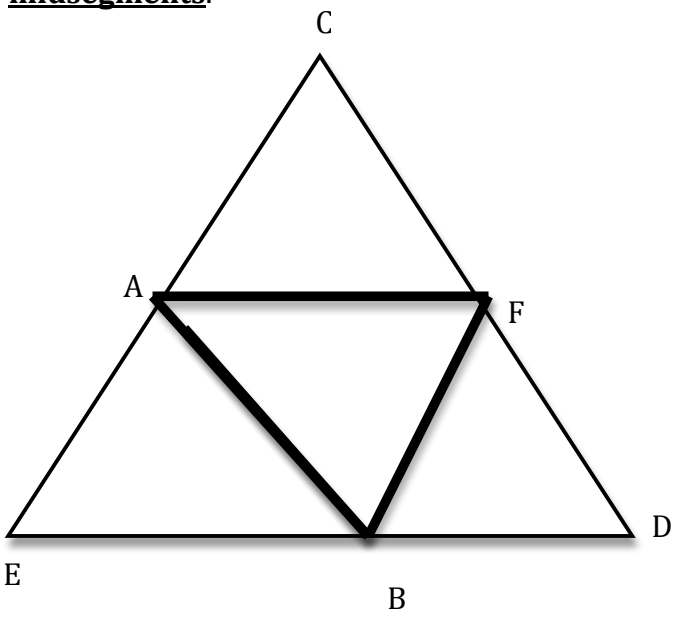
Chapter 5 Section Reviews

5.1: Midsegment Theorem

Midsegment Theorem: The segment connecting the **midpoint** of two sides of a triangle is **parallel** to the third side and **half the length** as that side.

$\overline{AB}, \overline{AF}, \overline{BF}$ are **midsegments**.



5.2: Perpendicular Bisectors

Perpendicular Bisector Theorem: If a point is on the **perpendicular bisector** of a segment, then it is **equidistant** from the **endpoints** of the segment.

Converse of Perpendicular Bisector Theorem (CPBT): If a point is **equidistant** from the **endpoints** of the segment, then it is on the **perpendicular bisector** of a segment.

Point of Concurrency of Perpendicular Bisectors of a Triangle: **circumcenter**