FM Geometry Vocabulary/Properties/Postulates//Theorems for Chapter 4

Congruent	Figures –	Corresponding	Parts of	Congruent	Figures a	are Congruent	CPCTC

Included Side/Angle	Median	Altitude	Perpendicular Bisector					
SSS Congruence Postulate	SAS Congruence Postulate		ASA Congruence Postulate					
AAS Congruence Theorem	HL Congruence Theorem							
Parts of an Isosceles Triangle – Base, Legs, Vertex, Base Angles								
Base Angles Theorem: Two sides of a triangle are congruent if and only if the angles opposite those sides are congruent.								
Thrm: An equilateral triangle is also equiangular.								
hrm: An equiangular triangle is also equilateral.								
Thrm: An equilateral triangle has three 60° angles.								
Thrm: The bisector of the vertex angle of an isosceles triangle is perpendicular to the base at its midpoint.								
(The bisector of the vertex angle of an isosceles triangle is the \perp bisector of the base.)								
Perpendicular Bisector Theorem	a: A point if and of of the s	t lies on the perpendent lies on the perpendent if the point is egment.	endicular bisector of a segment is equidistant from the endpoints					
2 nd Angle Bisector Theorem:	A point point is	A point lies on the bisector of an angle if and only if the point is equidistant from the sides of the angle.						