Geometry Chapter 4 Theorem, Postulate and Corollary of Congruent Triangles

Theorem, Postulate or Corollary	<u>Theorem</u>	Your words	<u>Visual</u>
Isosceles Triangle Theorem	If two sides of a triangle are congruent, then the angles opposite those sides are congruent.		
Converse of Isosceles Triangle Theorem	If two angles of a triangle are congruent, then the sides opposite those angles are congruent.		
Theorem 4-5	The bisector of the vertex of an isosceles triangle.		
Corollary to the Isosceles Triangle Theorem	If a triangle is equilateral, then the triangle is equiangular.		
Corollary to the Converse Isosceles Triangle Theorem	If a triangle is equiangular, then the triangle is equilateral.		
HL	If the hypotenuse and a leg of one right triangle are congruent to the hypotenuse and a leg of another right triangle, then the triangles are congruent.		

Theorem, Postulate or Corollary	<u>Theorem</u>	Your words	<u>Visual</u>
Theorem 4-1	If two angles of one triangle are congruent to two angles of another triangle, then the third angles are congruent		
SSS	If three sides of one triangle are congruent to the three sides of another triangle, then the two triangles are congruent		
SAS	If two sides and the included angle of one triangle are congruent to the two sides and the included angle of another triangle, then the two triangles are congruent		
ASA	If two angles and the included side of one triangle are congruent to the two angles and the included side of another triangle, then the two triangles are congruent		
AAS	If two angles and a nonincluded side of one triangle are congruent to the two angles and a nonincluded side of another triangle, then the two triangles are congruent		