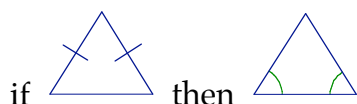


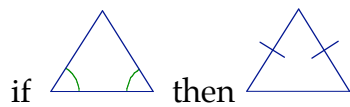
Selected Terms, Postulates, & Theorems

CHAPTER 4

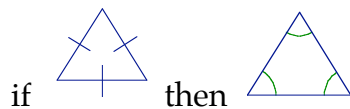
| | |
|---|--|
| Scalene Triangle | A triangle with no two sides congruent. |
| Isosceles Triangle | A triangle with at least two sides congruent. |
| Equilateral Triangle | A triangle with all three sides congruent. |
| Equiangular Triangle | A triangle with all three angles congruent. |
| \angle 's of $\Delta = 180^\circ$ | The sum of the measures of the angles of a triangle is 180° |
| Third Angle Th | If two angles of one triangle are \cong to two angles of a second triangle, then the third angles of the Δ s are congruent. |
| EAT | The measure of an exterior angle of a triangle is equal to the sum of the measures of the two remote interior angles. |
| CPCTC [i.e., def of $\cong \Delta$'s] | Corresponding Parts of Congruent Triangles are Congruent [Two triangles are congruent if and only if their corresponding parts are congruent.] |
| $\Delta \cong$ Prop (Refl, Symm, Tran) | Congruence of triangles is reflexive, symmetric, and transitive. |
| SSS | If the sides of one triangle are congruent to the sides of a second triangle, then the triangles are congruent. |
| SAS | If two sides and the included angle of one triangle are congruent to two sides and the included angle of another triangle, then the triangles are congruent. |
| ASA | If two angles and the included side of one triangle are congruent to two angles and the included side of another triangle, the triangles are congruent. |
| AAS | If two angles and a non-included side of one triangle are congruent to the corresponding two angles and side of a second triangle, the two triangles are congruent. |
| HL | If the hypotenuse and a leg of one right triangle are congruent to the hypotenuse and corresponding leg of another right triangle, then the triangles are congruent. |



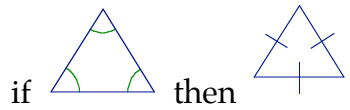
If two sides of a triangle are congruent, then the angles opposite those sides are congruent..



If two angles of a triangle are congruent, then the sides opposite those angles are congruent.



If a triangle is equilateral, then it is equiangular.



If a triangle is equiangular, then it is equilateral.