

Vocabulary for Chapter 4

1	Polygon	a closed figure in a plane
2	Sides	segments of a polygon
3	Vertices	endpoints that sides intersect at
4	Triangle	a polygon with three sides and angles.
5	Isosceles triangle	at least two angles have the same measure.
6	Equilateral triangle	a triangle that has all equal angles and sides.
7	Scalene triangle	a triangle that has unequal sides and angles.
8	Right triangle	a triangle that has one angle with a measure of 90° .
9	Obtuse triangle	a triangle that has one angle whose measure is greater than 90° .
10	Acute triangle	a triangle that has all the angles less than 90° .
11	Auxiliary line	a line or line segment added to a diagram to help in a proof.
12	Exterior angle	formed by one side of a triangle and the extension of another side.
13	Remote interior angles	the interior angles not adjacent to a given exterior angle.
14	Corollary	a statement that can be easily proved using a theorem.
15	Congruent triangles	Two triangles are congruent if and only if their corresponding parts are congruent.
16	Congruence transformations	when a geometric figure and its transformation image are congruent.
17	CPCTC	Corresponding parts of congruent triangles are congruent.
18	Included angle	the measures of two sides and the angle they form