Name_____ Date _____
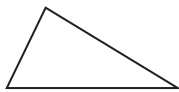
5.1 Notetaking with Vocabulary
For use after Lesson 5.1

In your own words, write the meaning of each vocabulary term.
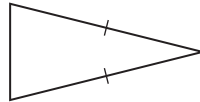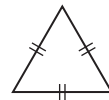
interior angles

exterior angles

corollary to a theorem

Core Concepts

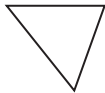### Classifying Triangles by Sides

Scalene Triangle

no congruent sides

Isosceles Triangle
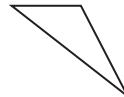
at least 2 congruent sides

Equilateral Triangle

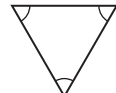3 congruent sides

Classifying Triangles by Angles

Acute Triangle

3 acute angles

Right Triangle

1 right angle
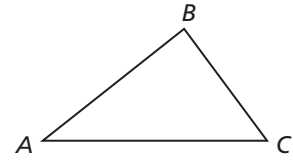
Obtuse Triangle

1 obtuse angle

Equiangular Triangle

3 congruent angles

Notes:

5.1 **Notetaking with Vocabulary (continued)**

Theorems

Theorem 5.1   Triangle Sum Theorem

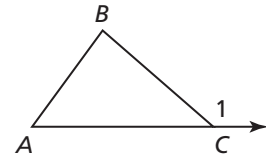The sum of the measures of the interior angles of a triangle is 180°.

Notes:

$$m\angle A + m\angle B + m\angle C = 180°$$

Theorem 5.2   Exterior Angle Theorem

The measure of an exterior angle of a triangle is equal to the sum of the measures of the two nonadjacent interior angles.
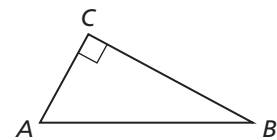
Notes:

$$m\angle 1 = m\angle A + m\angle B$$

Corollary 5.1   Corollary to the Triangle Sum Theorem

The acute angles of a right triangle are complementary.

Notes:

$$m\angle A + m\angle B = 90°$$