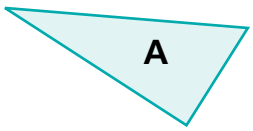
Chapter 4

Lesson 4

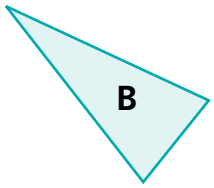
Name _____ Date _____

Classifying Triangles by Side Length

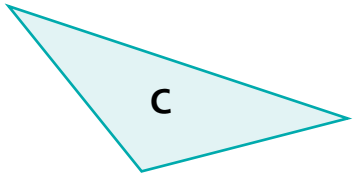
NCTM Standards 3, 4, 6, 7, 8, 9, 10



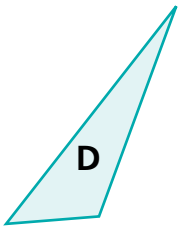
right and scalene



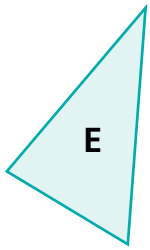
acute and isosceles



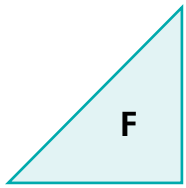
obtuse and isosceles



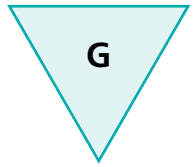
obtuse and scalene



acute and scalene



right and isosceles



equilateral

1. I have 2 sides that are the same length and 1 right angle.

   I am triangle _____.

2. All of my sides are the same length. All of my angles are the same.

   I am triangle _____.

3. I have exactly 2 sides that are the same length and 3 acute angles.

   I am triangle _____.

4. I have no equal sides. All of my angles are acute.

   I am triangle _____.

5. All of my sides are different lengths. I have an obtuse angle.

   I am triangle _____.

6. Two of my sides are the same length. One of my angles is greater than a right angle.

   I am triangle _____.

Use a ruler and the corner of a piece of paper to help label each triangle with the 2 names that best describe it:

a. *acute, right,* or *obtuse;* and

b. *scalene, isosceles,* or *equilateral.*

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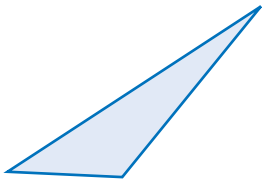

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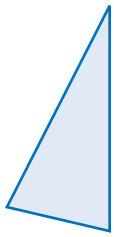

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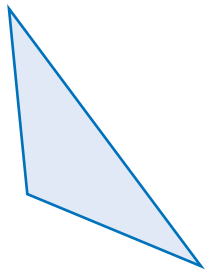

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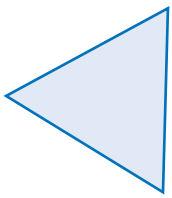

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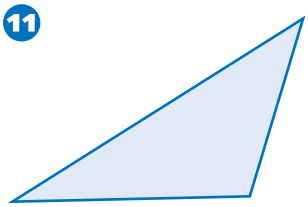

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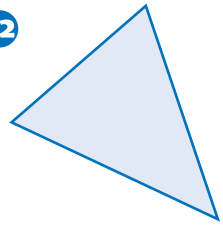

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13 Challenge Draw a triangle and write clues to describe it. You might write about the number of equal sides, or the name of each angle.

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