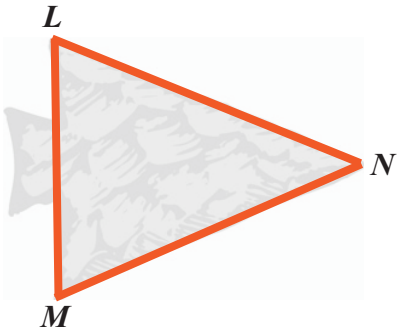
NAME_____

Module 8 **Points, Lines, Angles, and Triangles**
Lesson 4 **Triangles**

Guided Practice 8.4

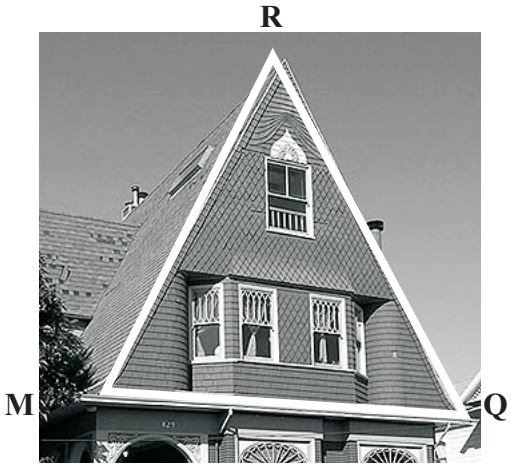
Set 1

1 The tip of an arrowhead is roughly the shape of a triangle. For the triangle shown, name the triangle's sides, vertices, and angles. Write one name for the triangle.



Sides: $\overline{LM}, \overline{MN}, \overline{NL}$
Vertices: L, M, N
Angles: $\angle L, \angle M, \angle N$
Name: ΔLMN

2 Part of the front of a home is in the shape of a triangle. Name the triangle's sides, vertices, and angles. Write one name for the triangle.



Sides: $\overline{MR}, \overline{RQ}, \overline{QM}$
Vertices: R, M, Q
Angles: $\angle R, \angle M, \angle Q$
Name: ΔRMQ

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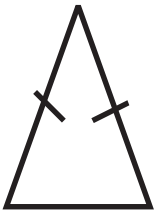
Set 2

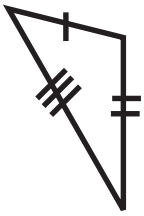
1 The triangle shows the path Eddie ran the first time he played Earth baseball. Classify the triangular path by its sides and by its angles.

Right isosceles

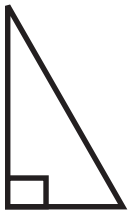
2 Classify each triangle by its sides and by its angles.



Acute isosceles



Obtuse scalene



Right scalene

Set 3

1 A flag is folded so that it fits in a triangular box. One angle of the box measures 88°. Another measures 46°. What is the value of x, the measure of the box's third angle?

$46° + 88° + x° = 180°$
$134° + x° = 180°$
$x = 46°$

The measure of the box's third angle is 46°.

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2 A playground slide forms a 29° angle with the ground. What angle does the slide form with the vertical wall?

$90° + 29° + x = 180°$
$119° + x = 180°$
$x = 61°$

The slide forms a 61° angle with the vertical wall.

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