NAME _____ **DATE** _____

Module 4   Solving Problems Using Linear
              Equations of One Variable
Lesson 3   Solving Geometry Problems Using
              Equations of One Variable

guided
practice

Set 1

1. The perimeter of a square is 26 inches. Find the length of each side.

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2. In an isosceles triangle, the base is 2 ft shorter than a leg. Find the length of the base if the perimeter is 25 ft.

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3. The length of a rectangle is 5 cm more than the width. Find the length if the rectangle's perimeter is 28 cm.

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Set 2

1. In an isosceles triangle, the vertex angle is 90° more than each base angle. Find the measure of the vertex angle.

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2. In a scalene triangle, the measure of the first angle is 20 degrees less than the second. The third angle measures twice the second. Find the measure of the smallest angle.

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3. The measure of an angle is half the measure of its supplement. Find the measure of the angle.

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