Name _____   Date _____

Lesson 5: Writing and Solving Linear Equations

For each of the following problems, write an equation and solve.

1. Given a right triangle, find the measures of all the angles if one angle is a right angle and the measure of the second angle is six less than seven times the measure of the third angle.

2. In a triangle, the measure of the first angle is six times a number. The measure of the second angle is nine less than the first angle. The measure of the third angle is three times the number more than the measure of the first angle. Determine the measures of each of the angles.