# Kinds of Triangles Review Problems:

1) In triangle ABC, if CA = CB and the measure of angle A is 50 degrees, find the measure of angle B.

2) In triangle ABC AB = BC.  If AB = 5x and BC = 2x + 18, find AB and BC.

3) In isosceles triangle ABC, AB = BC.  If AB = 5x + 10, BC = 3x + 40, and AC = 2x + 30, find the length of each side of the triangle.

4) In triangle ABC, AB = BC.  If the measure of angle A = 7x and the measure of angle C = 2x + 50, find the measure of angle A and angle C.

5) In triangle EFG, EF = FG.  If the measure of angle E = 4x + 50, the measure of angle F = 2x + 60, and the measure of angle G = 14x + 30, find angles E, F, and G.

6) Could the following be sides of a triangle: 16, 18, and 37?  Why or why not?

7) Could the following be sides of a triangle: 56, 59, and 115?  Why or why not?