Name____

Date____

Geometry: Classifying Triangles

Classify each triangle by side and angle (Use: Scalene, Isosceles, Equilateral, Obtuse, Acute, Right)



Solve each triangle for the missing information.



base angles are congruent. So n = 35. Also, the two sides are congruent so, m + 4 = 12 -4 -4 m = 8 y = 33 x = 72z = 26

This is an equilateral triangle. Therefore all of the angles are 60° . So, y + 27 = 60 and x - 12=60.

y + 27 = 60	x – 12 = 60
-27 -27	+12 +12
y = 33	y = 72

Also, the three sides are congruent so, z + 17 = 43

-17 -17 z = 26

Challenge Problem

Given the following triangle with a perimeter of 90 ft, find the length of each side.



8)

Copyright© 2012, Teacher4U, LLC