

Name: _____

MATH 307

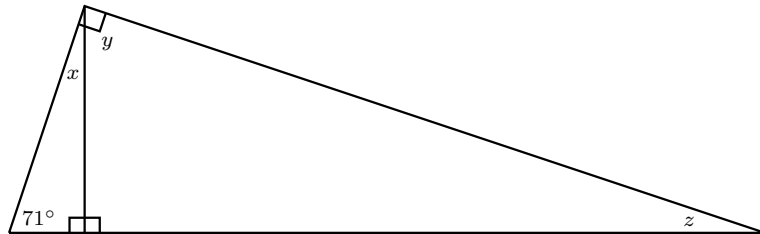
Spring 2023

HW 10: Due 04/14

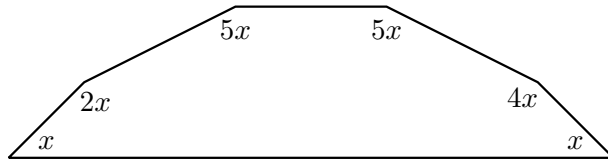
"There is geometry in the humming of the strings; there is music in the spacing of the spheres."

—Pythagoras

Problem 1. (10pt) Find the angles marked x , y , and z in the triangle given below.



Problem 2. (10pt) Find x in the following figure:



Problem 3. (10pt) A simple closed curve is plotted below. Determine whether the red point is located on the interior or the exterior of the curve. Be sure to justify your answer.

