

Take Home Question:

Name _____ Period

This question must be completed and submitted on Thursday, December 18, 2003.

15 points total. This is a HSPA type Question

1. (*Lessons 4.1–4.3*)

Draw an isosceles triangle. Extend the base of the triangle to create an exterior angle. Label the exterior angle x , and label the vertex angle of the triangle y .

a. Pick two possible values for x and determine the corresponding values for y .

b. Write an equation for the measure of the vertex angle y in terms of the measure of the exterior angle x . Explain how you found your equation.