

# Assignment 2

Due: 09/13/2017

(1) Symmetry (Pg. 140) [/10]

A *symmetry* is a rigid motion (sliding, flipping, rotating) of a figure so that in its new position it looks exactly the same as the original. Find all the symmetries of an equilateral triangle.

Hint 1: A symmetry can interchange some of the sides and vertices.

Hint 2: Sliding really does **not** count since it alters the location of the triangle. Therefore, you only need to consider **flipping** and **rotating**.