

1077-D5-2828 **Margaret L. Morrow*** (morrowml@plattsburgh.edu). *From Dilation to Similarity - an Exploration Using Geometer's Sketchpad.*

Similar figures can be defined in terms of the transformation dilation. We will share a sketchpad worksheet that guides students through an exploration of some interesting properties of dilation. En route students are introduced to similarity of geometric figures, and develop some strong intuitions about similar figures. We use this worksheet in an introductory level College Geometry class. (Received September 22, 2011)