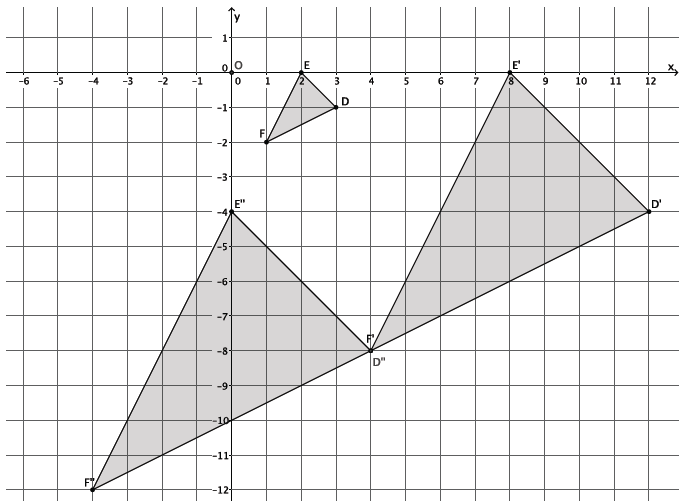
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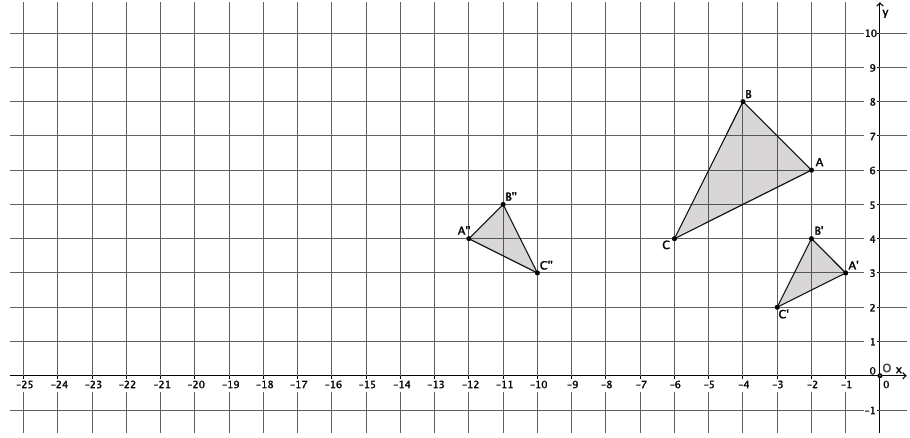
M3 L8 HW

Problem Set

1. In the picture below, we have triangle that has been dilated from center by scale factor . It is noted by *.* We also have triangle , which is congruent to triangle (i.e., ). Describe the sequence of a dilation, followed by a congruence (of one or more rigid motions ), that would map triangle onto triangle .



1. Triangle was dilated from center by scale factor . The dilated triangle is noted by *.* Another triangle is congruent to triangle (i.e., ). Describe the dilation followed by the basic rigid motions that would map triangle onto triangle



1. Are the two figures shown below similar? If so, describe a sequence that would prove the similarity. If not, state how you know they are not similar.

