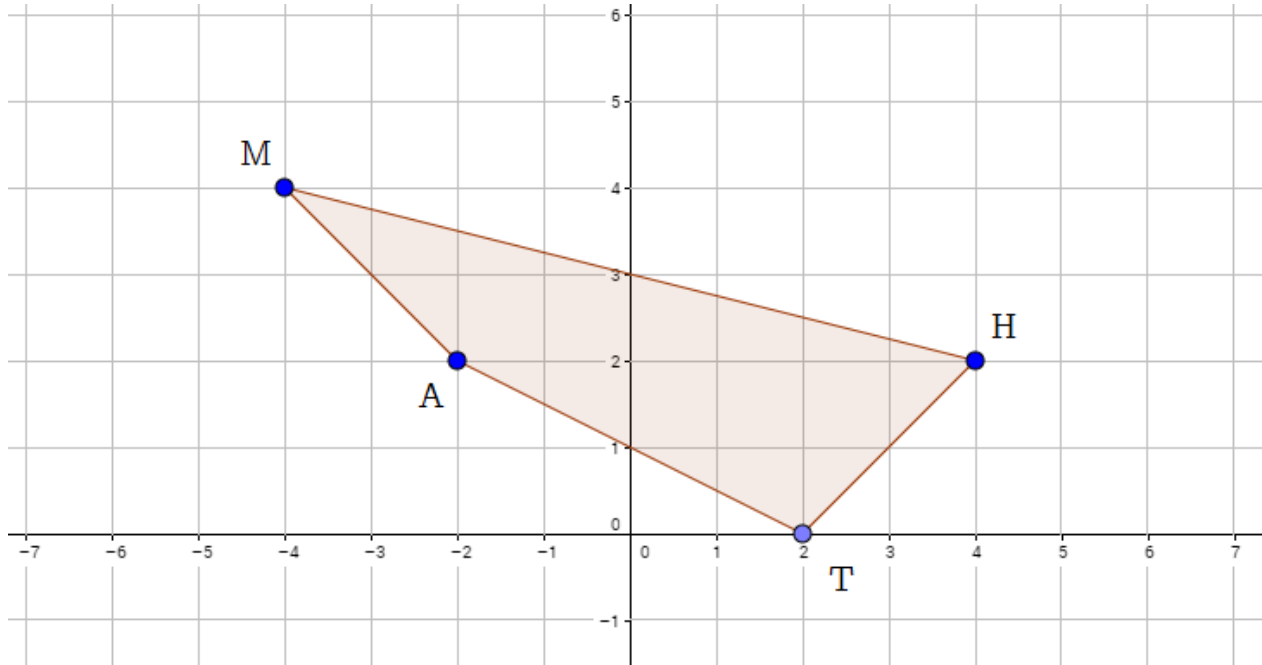
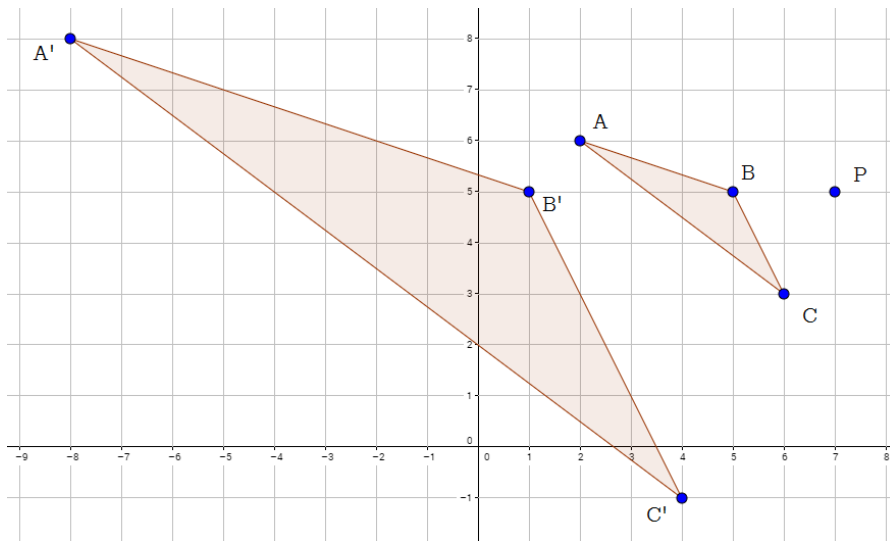


1. Dilate MATH about the origin using a scale factor of 1.5. Label your new coordinates using primes.



2. The area of MATH is 12 square units. What is the area of M'A'T'H' based on your dilation in #1?

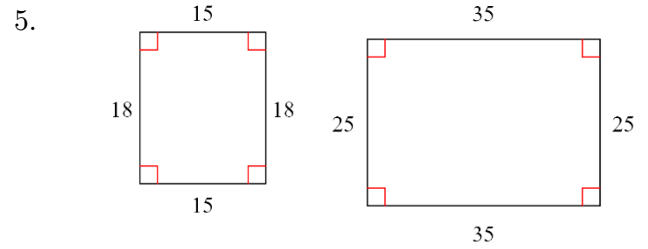
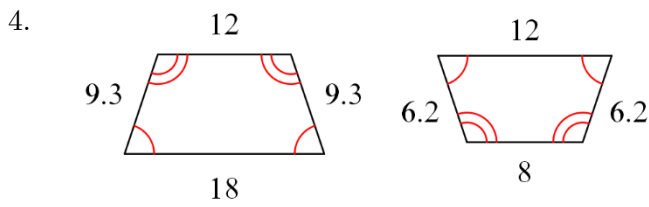
SRT-A1b



3. $\Delta A'B'C'$ is a dilation of ΔABC with center of dilation P as shown. What is the scale factor of this dilation?

SRT-A2a:

Determine if the two figures shown are similar. If so, also determine the ratio of the smaller to the larger figure.



Each pair of figures shown below is similar. Find the missing side lengths indicated by the variable.

