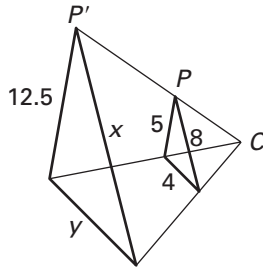


# Practice C

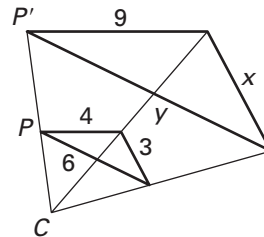
For use with pages 506–513

Identify the dilation, and find its scale factor. Then, find the values of the variables.

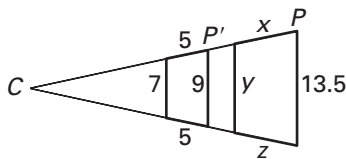
1.



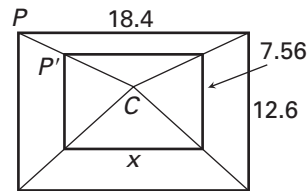
2.



3.

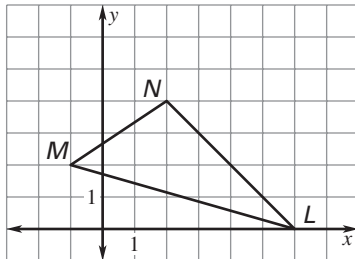


4.

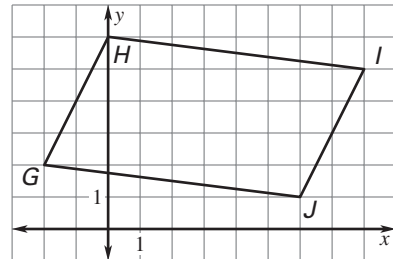


Use the origin as the center of the dilation and the given scale factor to find the coordinates of the vertices of the image of the polygon.

5.  $k = \frac{2}{3}$



6.  $k = \frac{5}{2}$



7. You are making hand shadows on a wall using a flashlight. You hold your hand 1 foot from the flashlight and 5 feet from the wall. Your hand is parallel to the wall. If the measure from your thumb to ring finger is 6 inches, what will be the distance between them in the shadow?