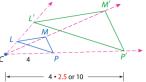
9 - 6

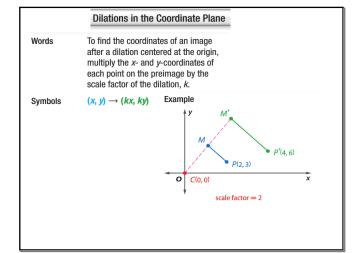
Dilation

DILATION

A Dilation or scaling is a similarity transformation that enlarges or reduces a figure proportionally with respect to a center point and scale factor



 $\triangle L'M'P'$ is the image of $\triangle LMP$ under a dilation with center C and scale factor 2.5.



Find the image of each polygon with the given vertices after a dilation centered at the origin with the given scale factor

$$Q(0, 6), R(-6, -3), S(6, -3); k = \frac{1}{3}$$

