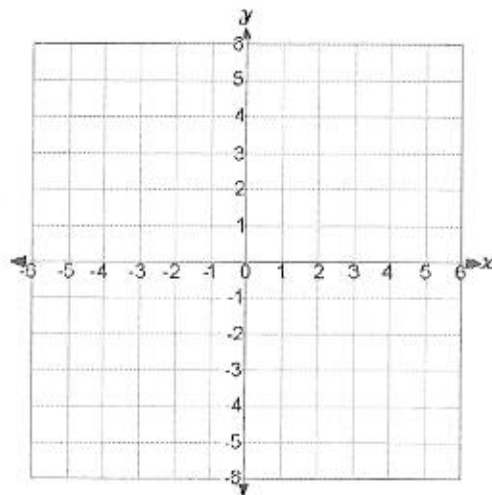


2.7 Dilations

EXAMPLE 4

The vertices of a trapezoid are $A(-2, -1)$, $B(-1, 1)$, $C(0, 1)$, and $D(0, -1)$. Dilate the trapezoid with respect to the origin using a scale factor of 2. Then translate it 6 units right and 2 units up. What are the coordinates of the final image?



A' _____

B' _____

C' _____

D' _____

EXAMPLE 5

The larger, darker figure is similar to the lighter, smaller figure. Describe the sequence of transformations in which the smaller figure is in the image of the larger figure.

