Dilation Practice

For each dilation described, draw in the image, label the vertices, and write down the coordinates of the Pre–Image and the Image.
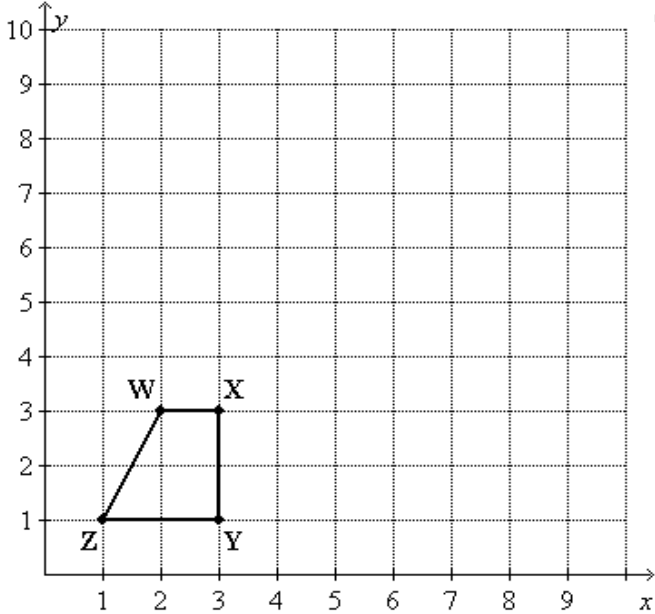
Rule for dilating a figure with the center at the origin and scale factor of "k".

$(x,y) \longrightarrow (k \bullet x, k \bullet y)$

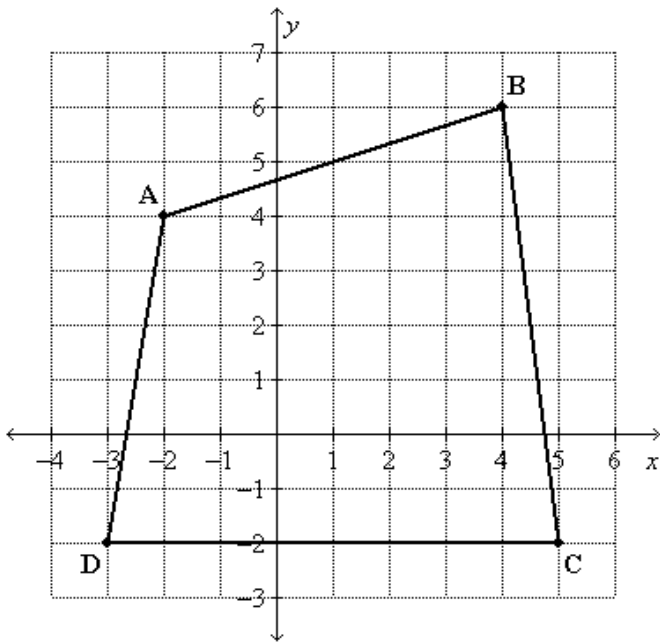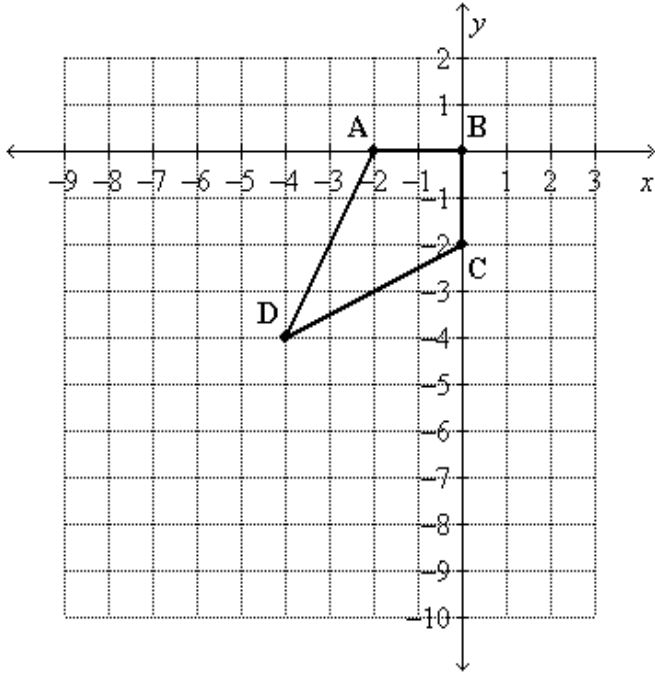**1. Center at (0 , 0)   Scale Factor = 3   Pre–Image Coordinates | Image Coordinates**

2. Center at (0 , 0)   Scale Factor = .5   Pre–Image Coordinates | Image Coordinates

3. Center at (0 , 0)   Scale Factor = 2

Pre–Image Coordinates	Image Coordinates

4. Center at (0 , 0)   Scale Factor = .75

Pre–Image Coordinates	Image Coordinates