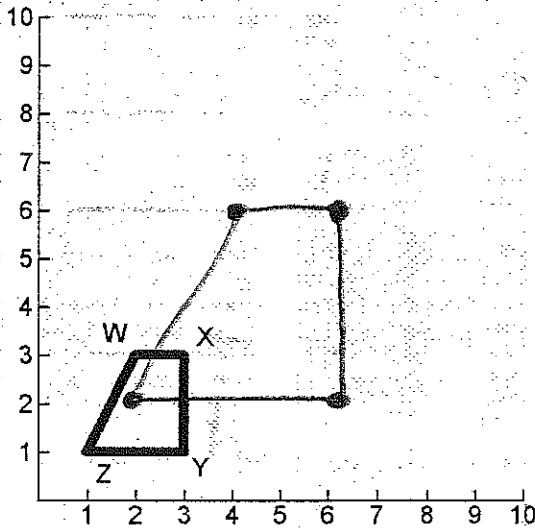


Dilation Practice

For each dilation described, draw in the image and identify the coordinates.

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



Pre-Image Coordinates

W

X

Y

Z

Image Coordinates

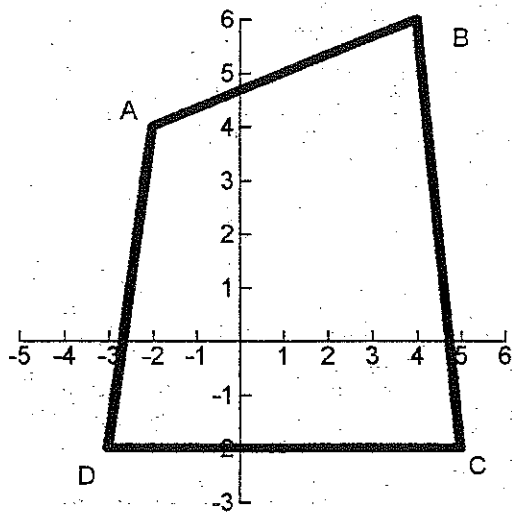
W'

X'

Y'

Z'

2. Center at (0, 0). Scale Factor = 0.5



Pre-Image Coordinates

A

B

C

D

Image Coordinates

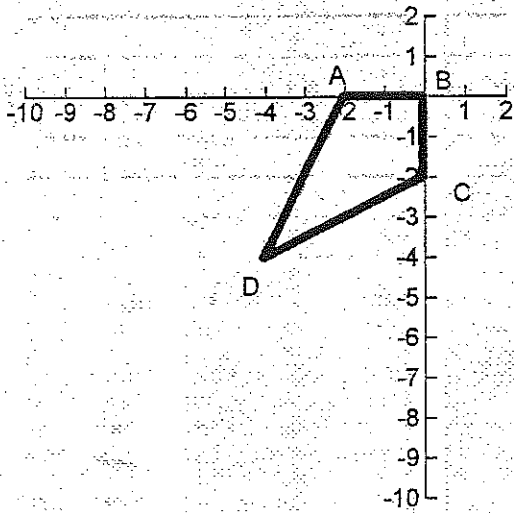
A'

B'

C'

D'

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



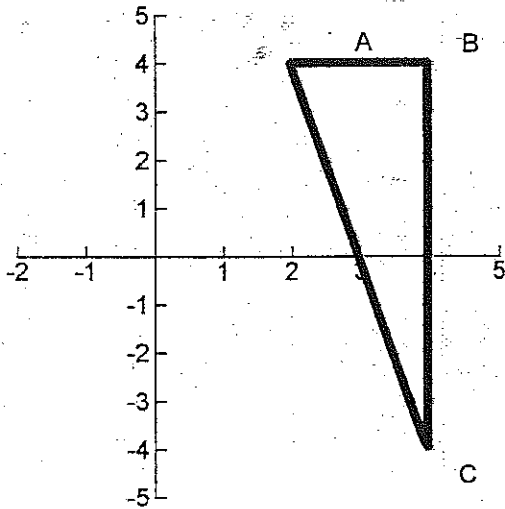
Pre-Image Coordinates

- A
- B
- C
- D

Image Coordinates

- A'
- B'
- C'
- D'

4. Center at $(0, 0)$. Scale Factor = 0.75



Pre-Image Coordinates

- A
- B
- C

Image Coordinates

- A'
- B'
- C'

Rule for dilating a figure with the center at the origin and scale factor "s."

The Pre-Image coordinates (x, y) are transformed to the

Image coordinates $(\underline{\hspace{2cm}}, \underline{\hspace{2cm}})$