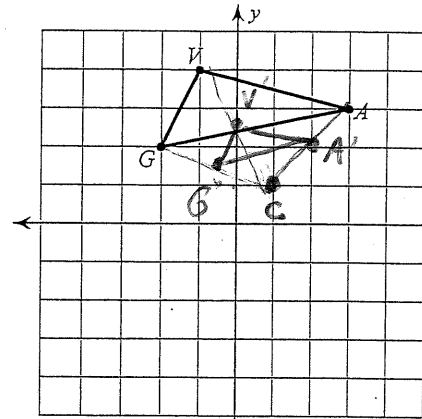


Homework #2 - Oct. 1

Date _____ Period _____

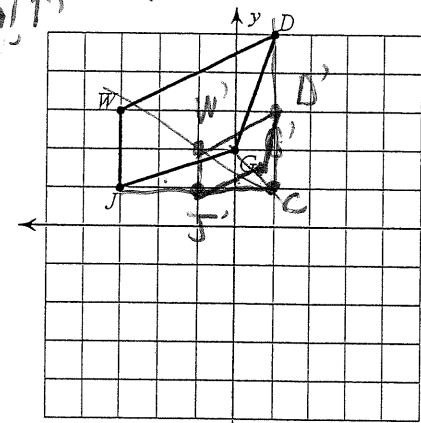
Graph the image of the figure using the transformation and center of dilation given.

1) dilation of $\frac{1}{2}$; Center of dilation (1,1)



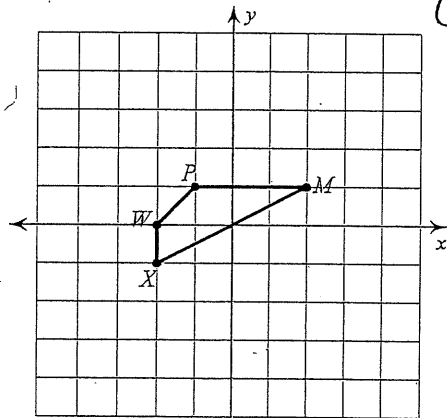
$A: \rightarrow 2, \uparrow 2$ $A': \rightarrow 1, \uparrow 1$
 $B:$
 $G: \leftarrow 3, \uparrow 1$
 $G': \leftarrow 1.5, \uparrow 0.5$
 $V: \leftarrow 2, \uparrow 3$
 $V': \leftarrow 1, \uparrow 1.5$

2) dilation of $\frac{1}{2}$; Center of dilation (1,1)

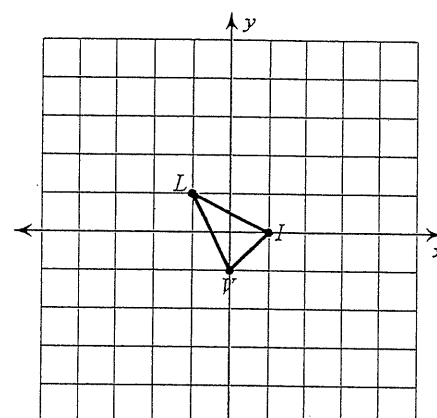


$D: \rightarrow 0, \uparrow 4$
 $D': \rightarrow 0, \uparrow 2$
 $G: \leftarrow 1, \uparrow 1$
 $G': \leftarrow 0.5, \uparrow 0.5$
 $J: \leftarrow 4, \uparrow 0$
 $J': \leftarrow 2, \uparrow 0$
 $W: \leftarrow 4, \uparrow 2$
 $W': \leftarrow 2, \uparrow 1$

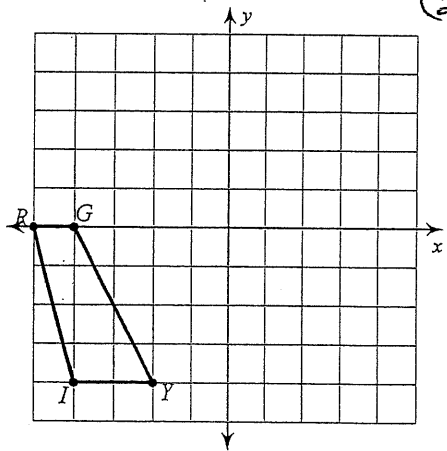
3) dilation of 2; Center of dilation (-1,-1)



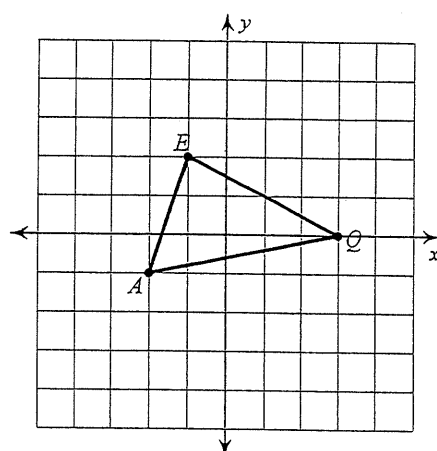
4) dilation of 4; Center of dilation (1,0)



5) dilation of 0.5; Center of dilation (2,0)



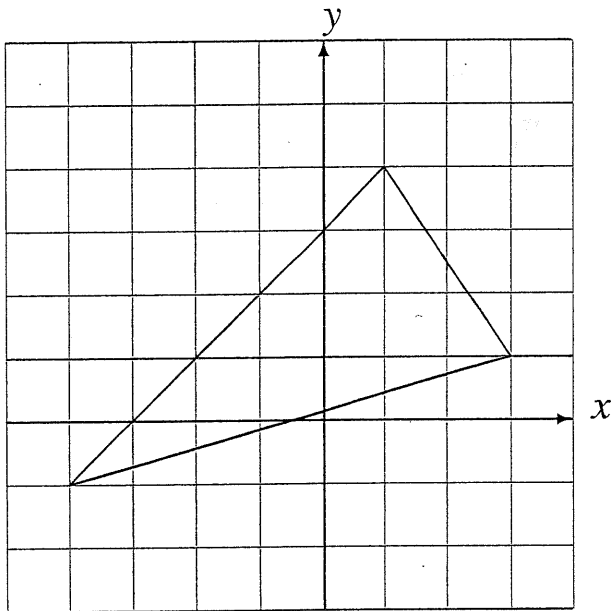
6) dilation of 1.5; Center of dilation (3,2)



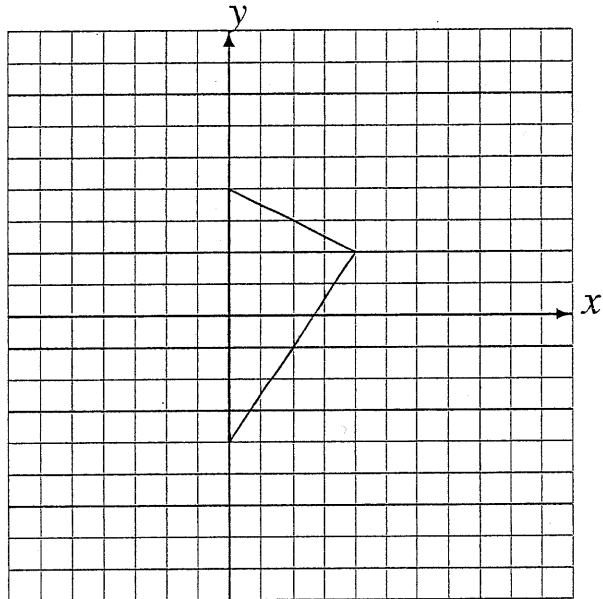
Dilations (D)

Draw the dilated image.

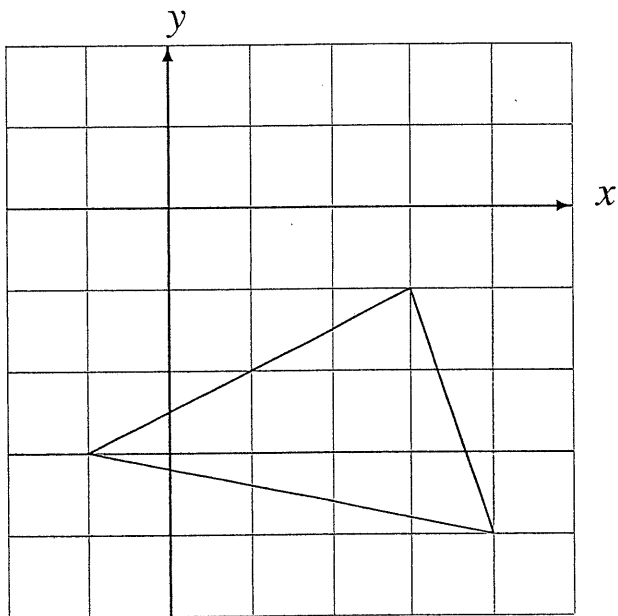
Dilate by $\frac{1}{2}$ using center $(-2, 2)$.



Dilate by 2 using center $(2, 0)$.



Dilate by $\frac{1}{2}$ using center $(3, 1)$.



Dilate by $\frac{1}{4}$ using center $(1, -2)$.

