Geometry **Name:** _____
Classwork – Dilations **Date:** _____

Find the coordinates of the vertices of each figure after it has been dilated by the given scale factor about the origin.

1. dilation of 0.5

D(3, -4), V(2, 1), C(4, -1)

2. dilation of 5

K(0, 1), J(1, 1), I(1, -1)

Describe the dilation about the origin.

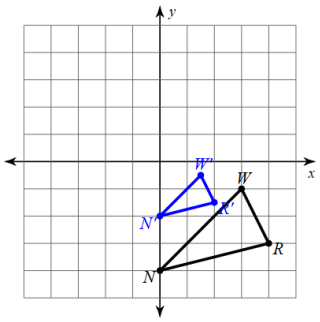
3. X(-1, 0), G(0, 1), W(1, -1)

to X'(-4, 0), G'(0, 4), W'(4, -4)

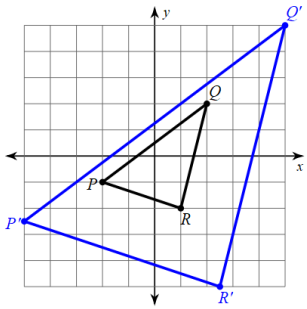
4. P(-5, 1), Q(-5, 2), R(-3, 3), S(-4, 1)

to P'(-2.5, 0.5), Q'(-2.5, 1), R'(-1.5, 1.5), S'(-2, 0.5)

5.

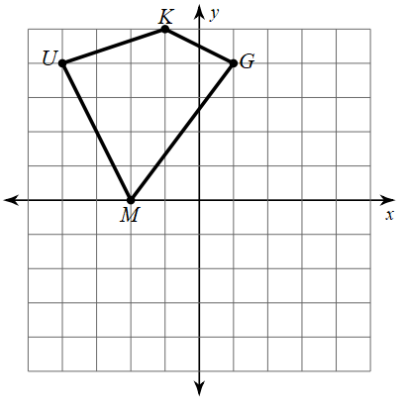


6.

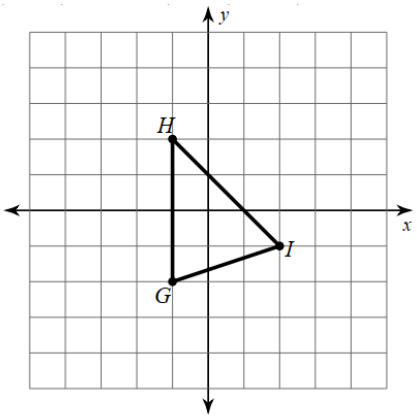


Find the vertices after the given dilation about the origin and graph.

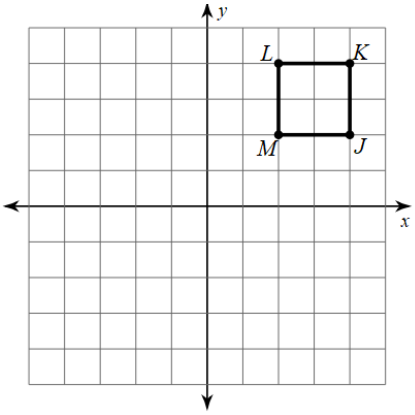
7. dilation of 0.5



8. dilation of 2



9. dilation of ½



10. dilation of 2