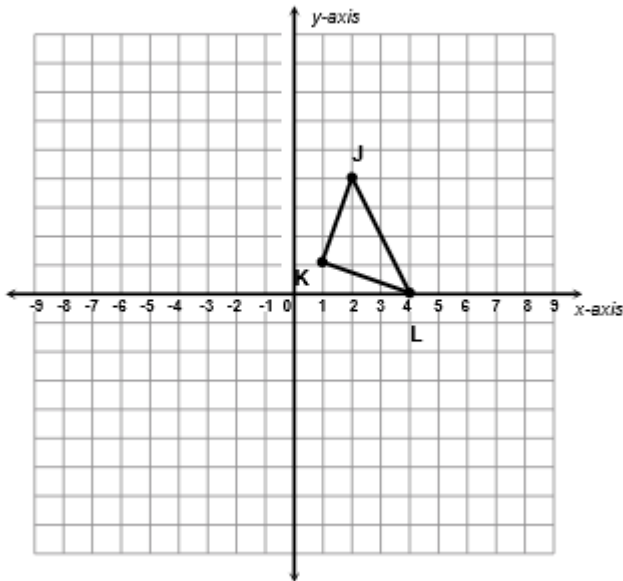


Lesson 1 – 5: Dilations Homework

Name: _____ Date: _____ Block: _____

Fill in each blank appropriately. On the graphs, use the same scale for each axis.

1. In math, the word dilate means to _____ or _____ a figure.
2. If a scale factor is less than 1, then your figure gets _____.
3. If a scale factor is greater than 1, then your figure gets _____.
- 4.



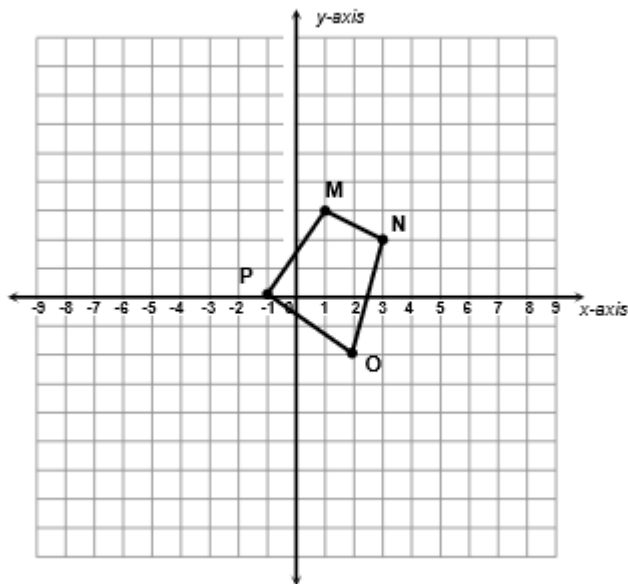
Graph the dilated image of triangle JKL using a scale factor of 2 and (0,0) as the center of dilation.

J: _____ J': _____

K: _____ K': _____

L: _____ L': _____

5.



Graph the dilated image of quadrilateral MNOP using a scale factor of 3 and (0,0) as the center of dilation.

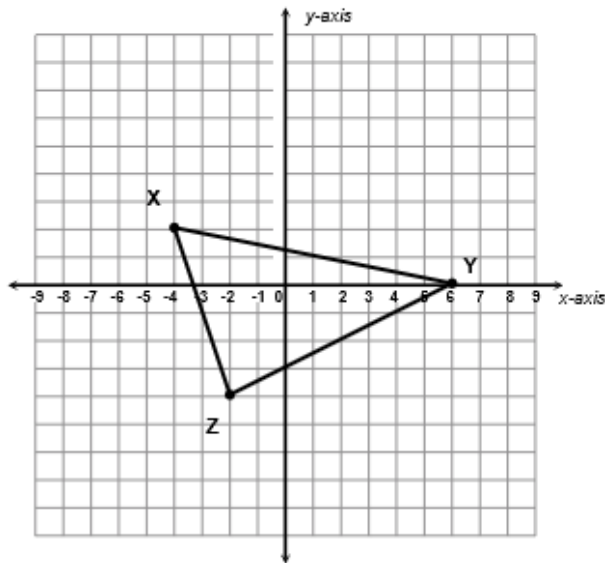
M: _____ M': _____

N: _____ N': _____

O: _____ O': _____

P: _____ P': _____

6.



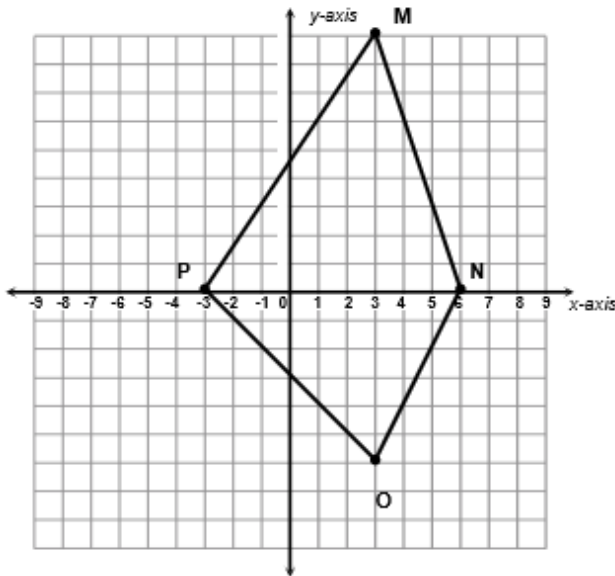
Graph the dilated image of triangle XYZ using a scale factor of 1.5 and (0,0) as the center of dilation.

X: _____ X': _____

Y: _____ Y': _____

Z: _____ Z': _____

7.



Graph the dilated image of quadrilateral MNOP using a scale factor of $\frac{1}{3}$ and the origin as the center of dilation.

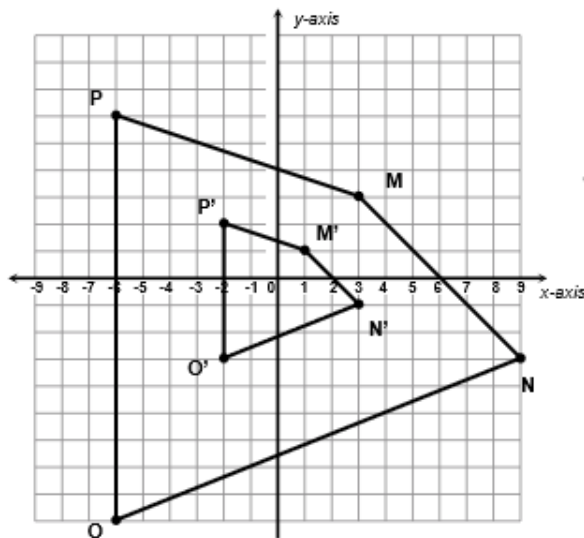
M: _____ M': _____

N: _____ N': _____

O: _____ O': _____

P: _____ P': _____

8.



Describe the dilation of quadrilateral MNOP, using the origin as the center.
