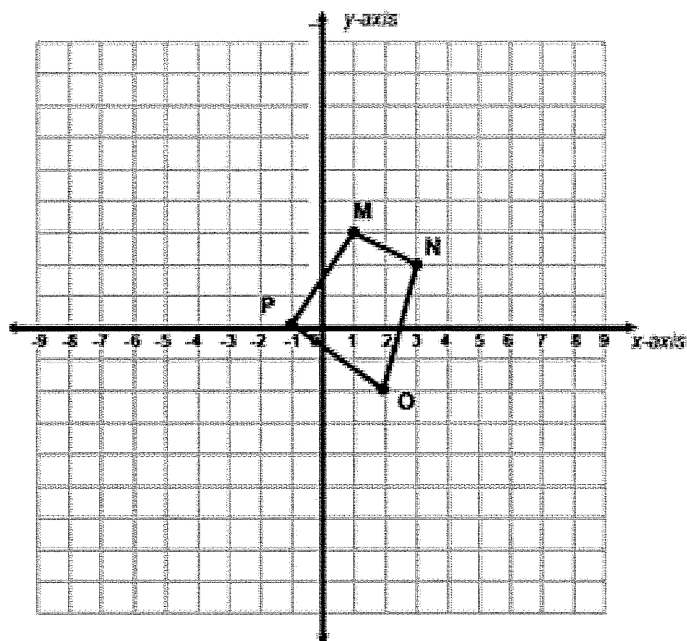


- Graph the dilated image of quadrilateral MNOP using a scale factor of **3** and the origin as the center of dilation



What we found yesterday: (Example #2)

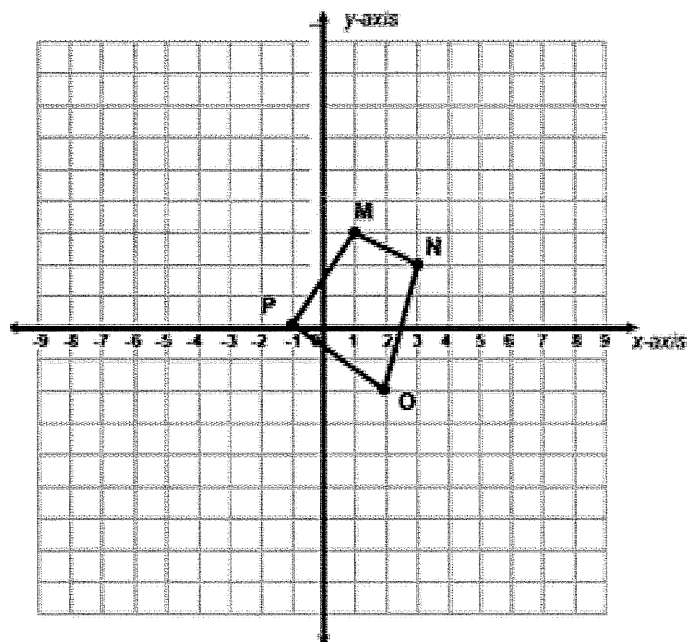
$$M(1, 3) \rightarrow M'(3, 9)$$

$$N(3, 2) \rightarrow N'(9, 6)$$

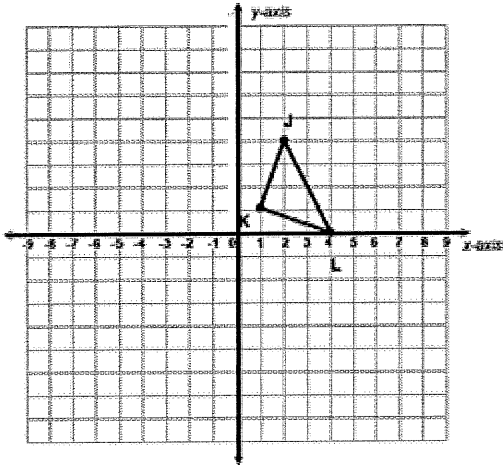
$$O(2, -2) \rightarrow O'(6, -6)$$

$$P(-1, 0) \rightarrow P'(-3, 0)$$

- Graph the dilated image of quadrilateral MNOP using a scale factor of **3** and center of dilation at (1,1)



3. Graph the dilated image of triangle JKL using a scale factor of 2 and (-1,2) as the center of dilation.

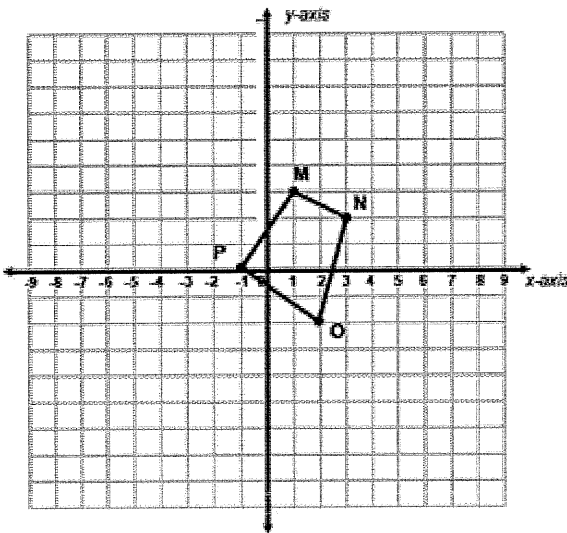


J: _____ J': _____

K: _____ K': _____

L: _____ L': _____

4. Graph the dilated image of quadrilateral MNOP using a scale factor of 3 and (1,1) as the center of dilation.



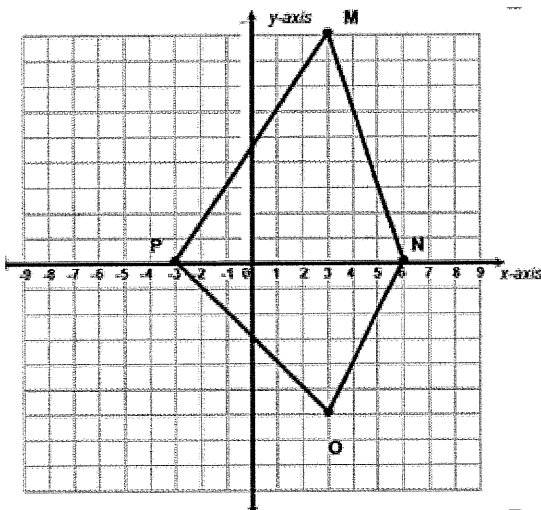
M: _____ M': _____

N: _____ N': _____

O: _____ O': _____

P: _____ P': _____

5. Graph the dilated image of quadrilateral MNOP using a scale factor of 1/3 and (3, 3) as the center of dilation.



M: _____ M': _____

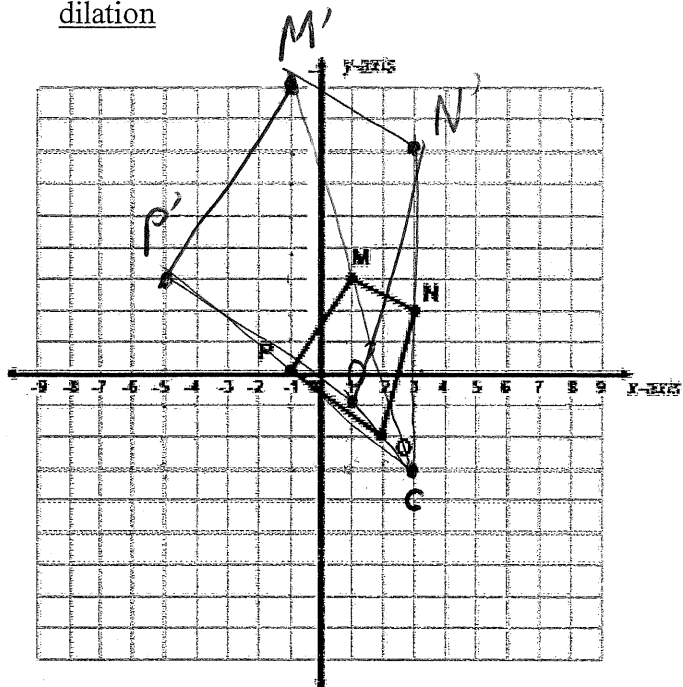
N: _____ N': _____

O: _____ O': _____

P: _____ P': _____

~~2~~ ~~(3, -3)~~

1. Graph the dilated image of quadrilateral MNOP using a scale factor of ~~2~~ and the origin as the center of dilation



What we found yesterday: (Example #2)

~~$M(1, 3) \rightarrow M'(3, 9)$~~

~~$N(3, 2) \rightarrow N'(9, 6)$~~

~~$O(2, -2) \rightarrow O'(6, -6)$~~

~~$P(-1, 0) \rightarrow P'(-3, 0)$~~

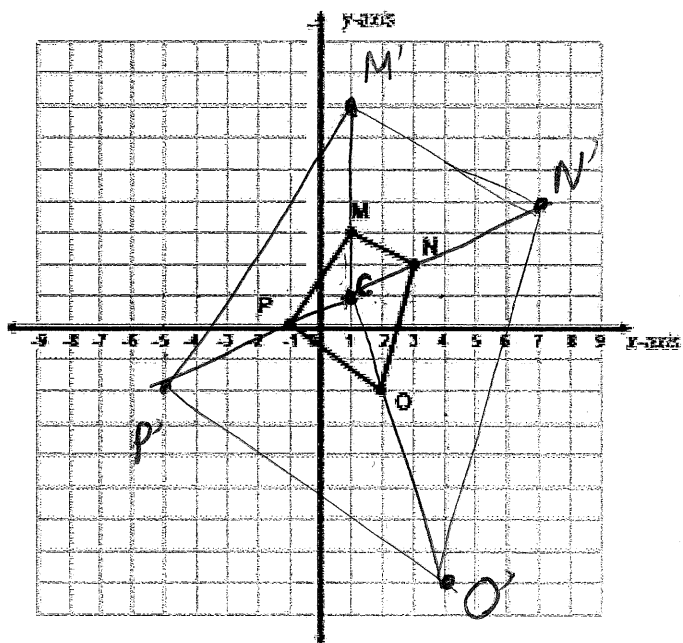
$M(-2, 6) \rightarrow M'(-4, 12)$

$N(0, 5) \rightarrow N'(0, 10)$

$O(-1, 1) \rightarrow O'(-2, 2)$

$P(-4, 3) \rightarrow P'(-8, 6)$

2. Graph the dilated image of quadrilateral MNOP using a scale factor of 3 and center of dilation at (1,1)



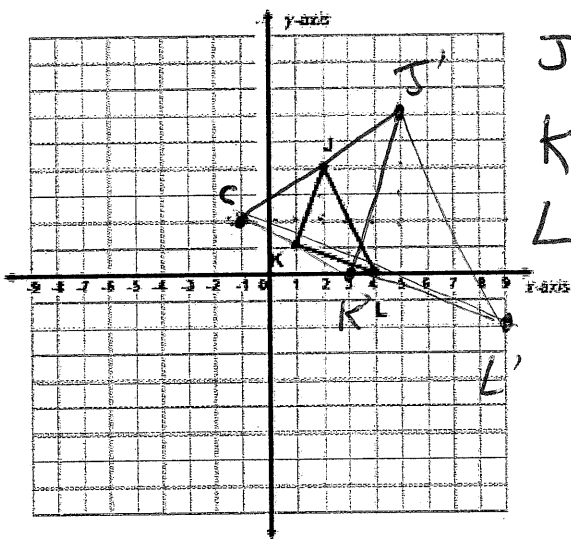
$M(0, 2) \rightarrow M'(0, 6)$

$N(2, 1) \rightarrow N'(6, 3)$

$O(1, -3) \rightarrow O'(3, -9)$

$P(-2, -1) \rightarrow P'(-6, -3)$

3. Graph the dilated image of triangle JKL using a scale factor of 2 and (-1,2) as the center of dilation.



$$J(3,2) \rightarrow J'(6,4)$$

$$K(2,-1) \rightarrow K'(4,-2)$$

$$L(5,-2) \rightarrow L'(10,-4)$$

$$J: \underline{(2,4)}$$

$$J': \underline{(5,6)}$$

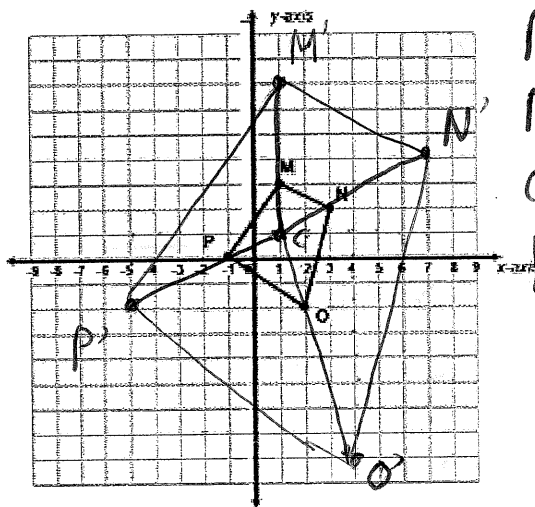
$$K: \underline{(1,1)}$$

$$K': \underline{(3,0)}$$

$$L: \underline{(4,0)}$$

$$L': \underline{(9,-2)}$$

4. Graph the dilated image of quadrilateral MNOP using a scale factor of 3 and (1,1) as the center of dilation.



$$M(0,2) \rightarrow M'(0,6)$$

$$N(2,1) \rightarrow N'(6,3)$$

$$O(1,-3) \rightarrow O'(3,-9)$$

$$P(-2,-1) \rightarrow P'(-6,-3)$$

$$M: \underline{\hspace{2cm}}$$

$$M': \underline{\hspace{2cm}}$$

$$N: \underline{\hspace{2cm}}$$

$$N': \underline{\hspace{2cm}}$$

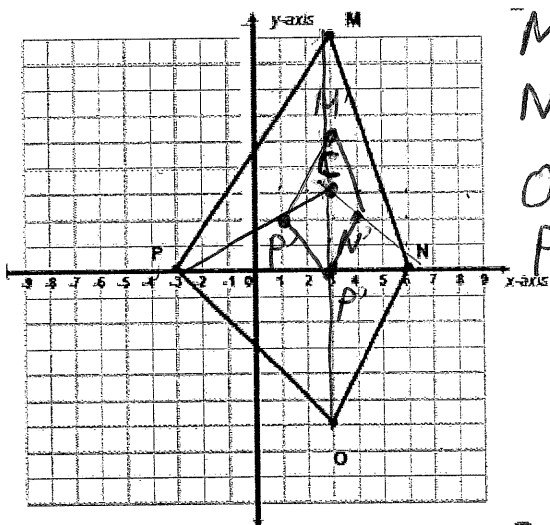
$$O: \underline{\hspace{2cm}}$$

$$O': \underline{\hspace{2cm}}$$

$$P: \underline{\hspace{2cm}}$$

$$P': \underline{\hspace{2cm}}$$

5. Graph the dilated image of quadrilateral MNOP using a scale factor of 1/3 and (3,3) as the center of dilation.



$$M(0,6) \rightarrow M'(0,2)$$

$$N(3,-3) \rightarrow N'(1,-1)$$

$$O(0,-9) \rightarrow O'(0,-3)$$

$$P(-6,-3) \rightarrow P'(-2,-1)$$

$$M: \underline{\hspace{2cm}}$$

$$M': \underline{\hspace{2cm}}$$

$$N: \underline{\hspace{2cm}}$$

$$N': \underline{\hspace{2cm}}$$

$$O: \underline{\hspace{2cm}}$$

$$O': \underline{\hspace{2cm}}$$

$$P: \underline{\hspace{2cm}}$$

$$P': \underline{\hspace{2cm}}$$