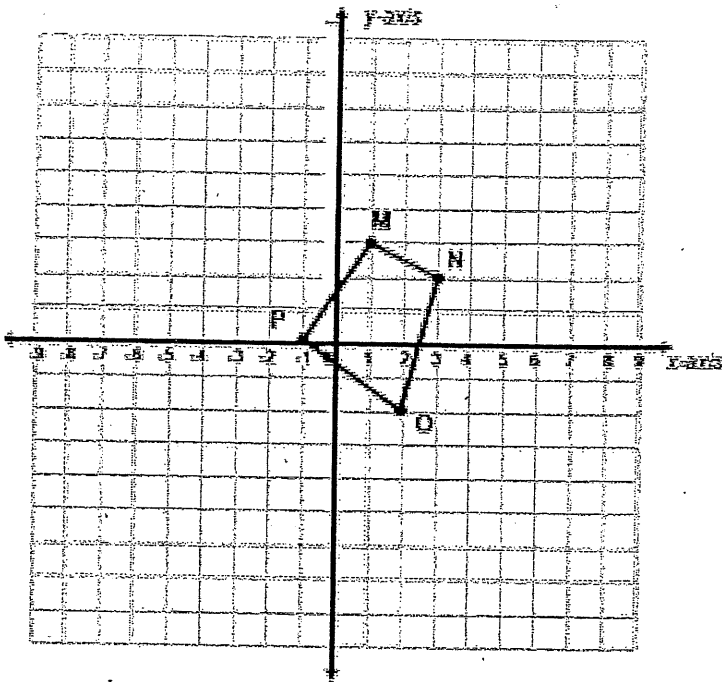


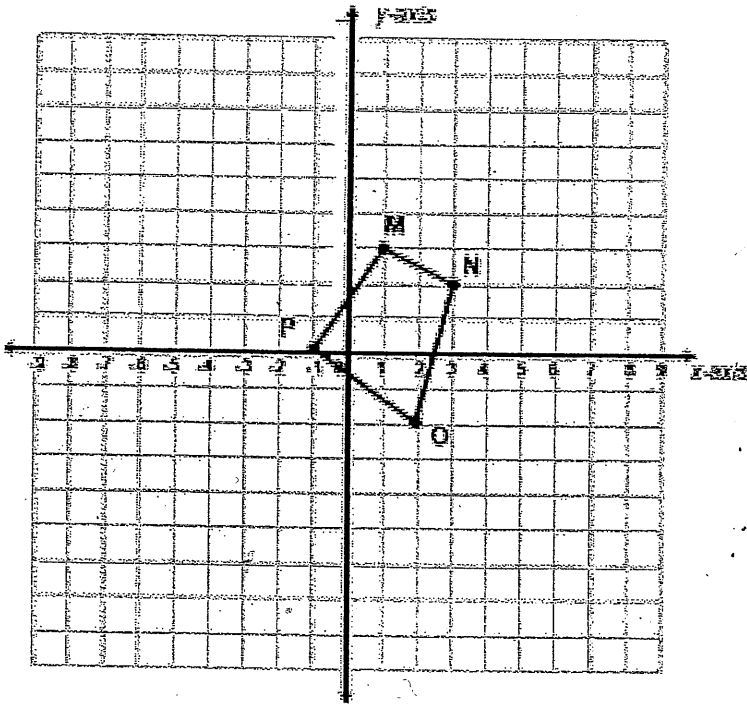
Day 2 Dilations HW

1. Graph a dilated image of quadrilateral MNOP using a scale factor of 2 and (2,4) as the center of dilation.



M: _____ M': _____
 N: _____ N': _____
 O: _____ O': _____
 P: _____ P': _____

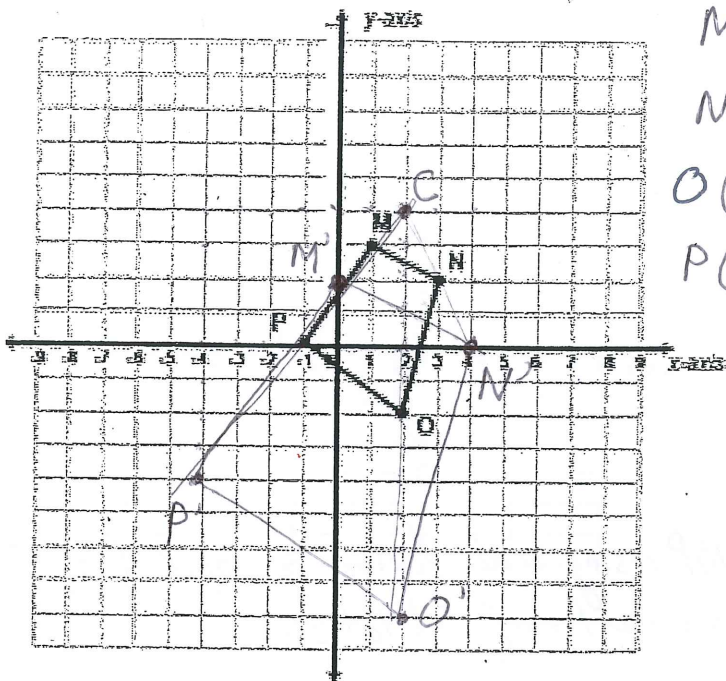
2. Graph a dilated image of quadrilateral MNOP using a scale factor of 3 and using the (-2, 2) as the center of dilation.



M: _____ M': _____
 N: _____ N': _____
 O: _____ O': _____
 P: _____ P': _____

Day 2 Dilations HW

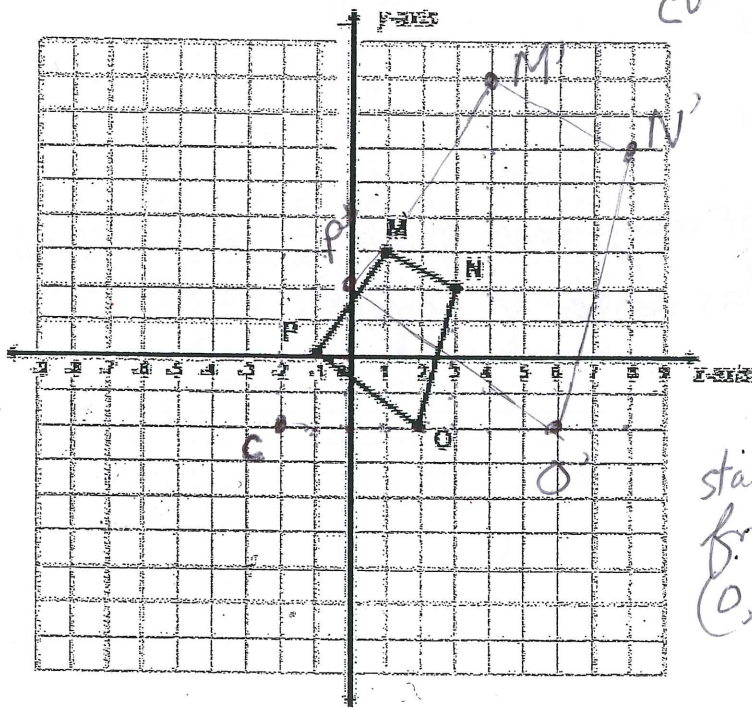
1. Graph a dilated image of quadrilateral MNOP using a scale factor of 2 and (2,4) as the center of dilation.



$$\begin{aligned}
 M(-1, 1) &\rightarrow M'(-2, 2) \\
 N(1, 2) &\rightarrow N'(2, 4) \\
 O(0, -2) &\rightarrow O'(0, -4) \\
 P(-3, 4) &\rightarrow P'(-6, 8)
 \end{aligned}$$

M: <u>(1, 3)</u>	M': <u>(0, 2)</u>
N: <u>(3, 2)</u>	N': <u>(4, 0)</u>
O: <u>(2, -2)</u>	O': <u>(2, -8)</u>
P: <u>(-1, 0)</u>	P': <u>(-4, -4)</u>

2. Graph a dilated image of quadrilateral MNOP using a scale factor of ~~2~~ and using the (-2, -2) as the center of dilation.



start from C

$$\begin{cases}
 M(3, 5) \rightarrow M'(6, 10) \\
 N(5, 4) \rightarrow N'(10, 18) \\
 O(4, 0) \rightarrow O'(8, 0) \\
 P(1, 2) \rightarrow P'(-2, 14)
 \end{cases}$$

start from (0,0)

M: <u>(1, 3)</u>	M': <u>(4, 8)</u>
N: <u>(3, 2)</u>	N': <u>(8, 6)</u>
O: <u>(2, -2)</u>	O': <u>(6, -2)</u>
P: <u>(-1, 0)</u>	P': <u>(2, 4)</u>