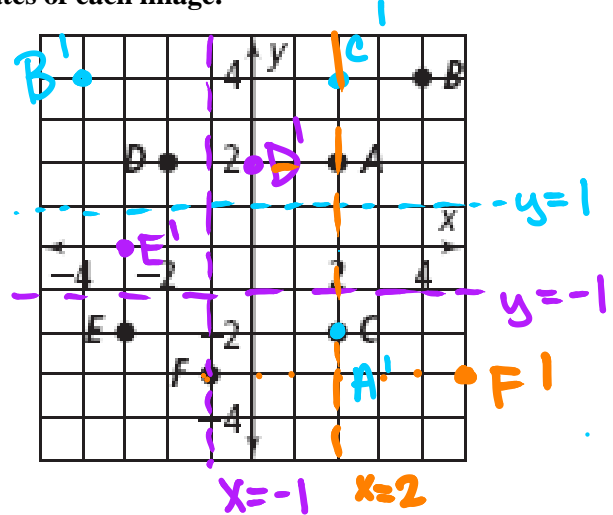


9.2 REFLECTION HOMEWORK

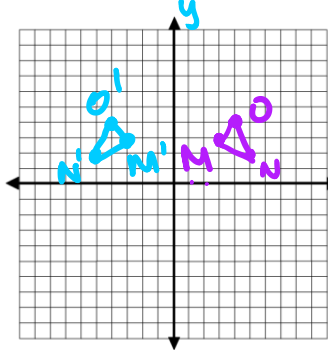
Part I: Use the diagram to the right and find the coordinates of each image.

1. $R_{x\text{-axis}}(A)$ $A'(2, -2)$
2. $R_{y\text{-axis}}(B)$ $B'(-4, 4)$
3. $R_{y=1}(C)$ $C'(2, 4)$
4. $R_{x=-1}(D)$ $D'(0, 2)$
5. $R_{y=-1}(E)$ $E'(-3, 0)$
6. $R_{x=2}(F)$ $F'(5, -3)$



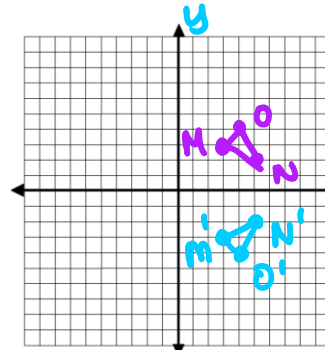
Part II: Plot the points $M(3, 3)$, $N(5, 2)$, and $O(4, 4)$, graph $\triangle MNO$ and its reflection image as indicated.

7. Reflect across the y-axis



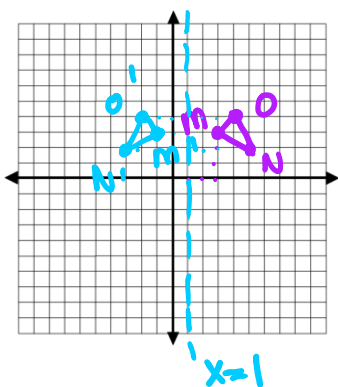
- $M'(-3, 3)$
 $N'(-5, 2)$
 $O'(-4, 4)$

8. Reflect across the x-axis



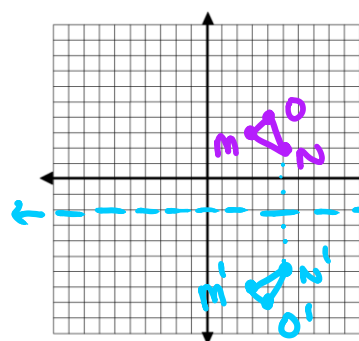
- $M'(3, -3)$
 $N'(5, -2)$
 $O'(4, -4)$

9. Reflect across $x = 1$



- $M'(-1, 3)$
 $N'(-3, 2)$
 $O'(-2, 4)$

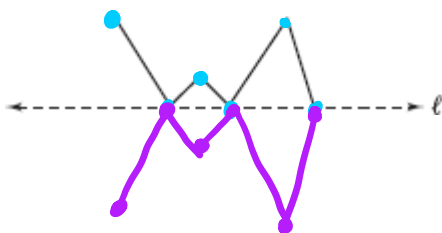
10. Reflect across $y = -2$



- $M'(3, -7)$
 $N'(5, -6)$
 $O'(4, -8)$

Part III: Copy each figure and line ℓ . Draw each figure's reflection image across line ℓ .

11.



12.

