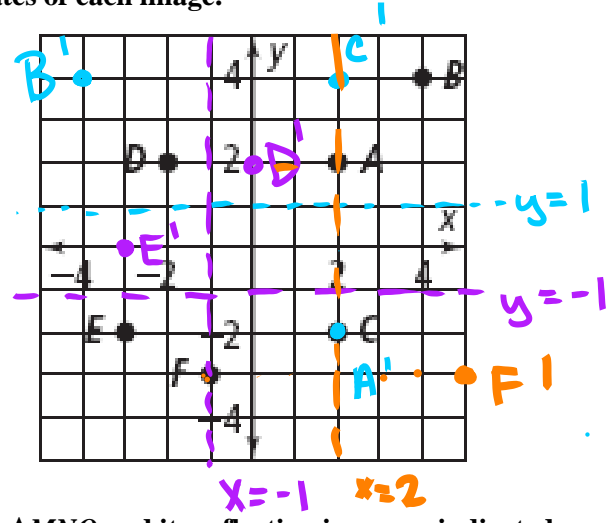


9.1 REFLECTION HOMEWORK

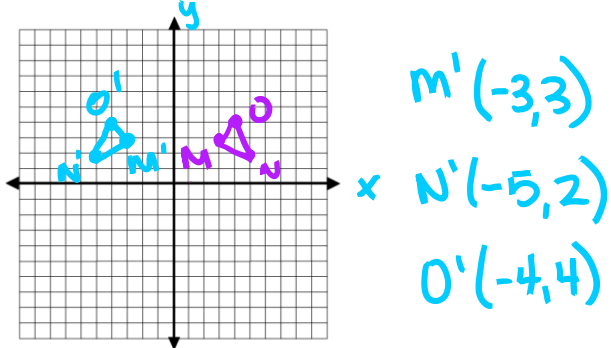
Part I: Use the diagram to the right and find the coordinates of each image.

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. $R_{x=2}(F)$ $F'(5, -3)$

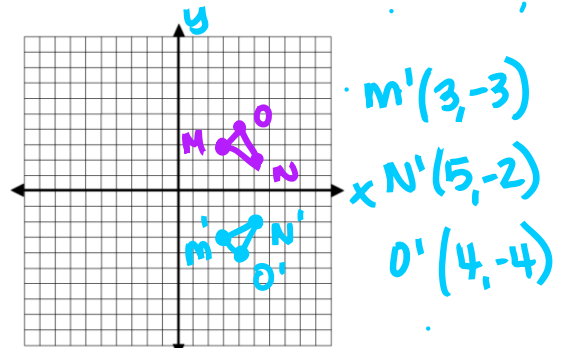


Part II: Plot the points $M(3, 3)$, $N(5, 2)$, and $O(4, 4)$, graph $\triangle MNO$ and its reflection image as indicated.

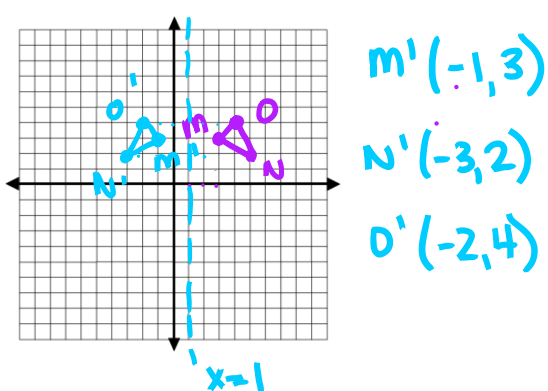
7. Reflect across the y-axis



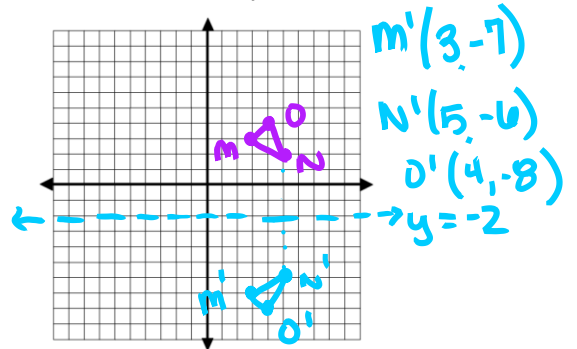
8. Reflect across the x-axis



9. Reflect across $x = 1$



10. Reflect across $y = -2$



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

