Translation: Count on the graph
Rotation: Turn your paper
Line Reflection: Count to the line of reflection (1 direction)
Point Reflection: Count to the point of reflection (2 directions)

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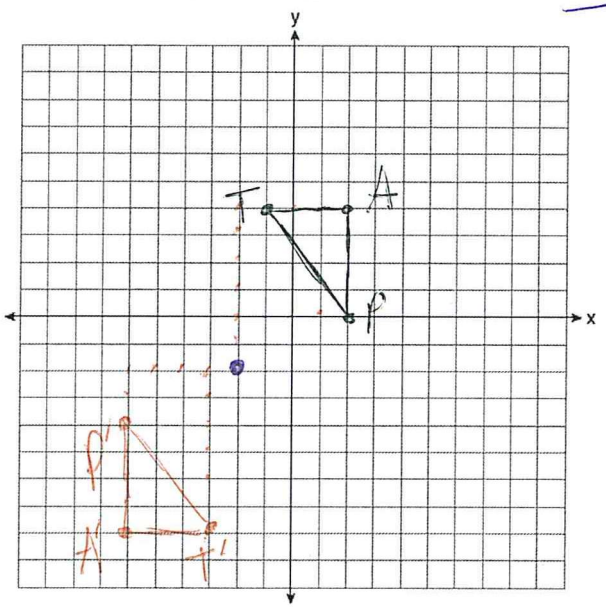
Geometry

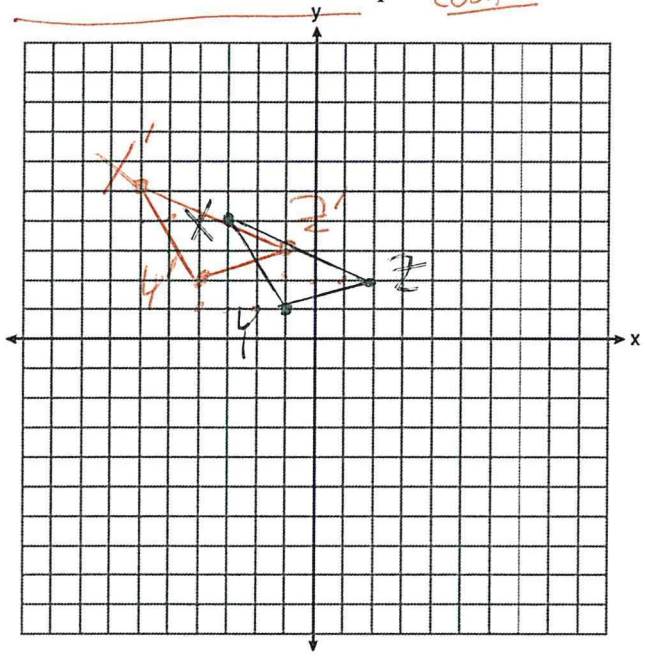
Performing Transformations Review

1. Triangle TAP has coordinates $T(-1,4)$, $A(2,4)$, and $P(2,0)$. On the set of axes below, graph and label $\triangle T'A'P'$, the image of $\triangle TAP$ after a reflection through the point (-2,-2).

Count to the point in 2 directions

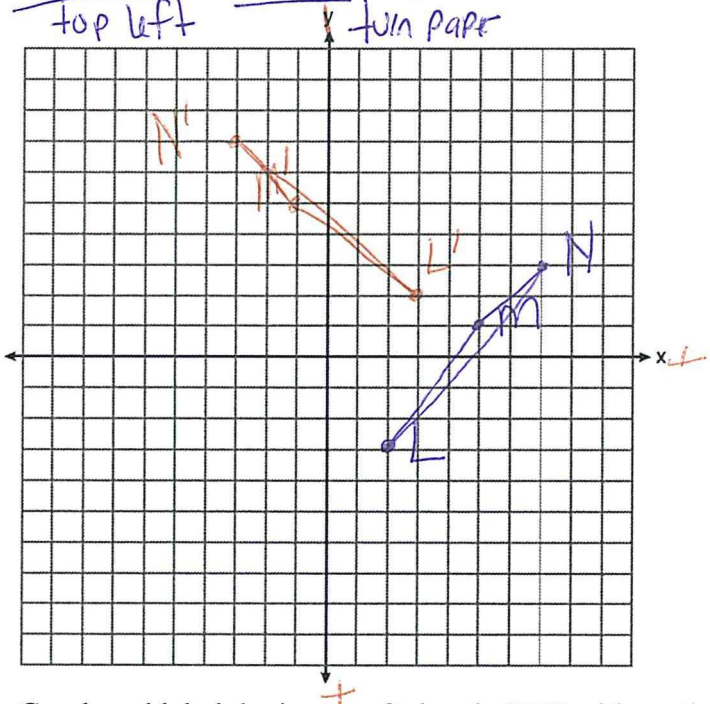


2. Graph and label the image of ΔXYZ with $X(-3,4)$, $Y(-1,1)$, and $Z(2,2)$ after a translation 3 units to the left and 1 unit up. Count



3. Graph and label the image of ΔLMN with vertices $L(2,-3)$, $M(5,1)$ and $N(7,3)$ after a counter-clockwise rotation 90 degrees centered at the origin.

top left turn paper



(-3,2) (1,5) (3,7)

4. Graph and label the image of triangle DEF with vertices $D(8,-2)$, $E(6,3)$, and $F(2,7)$ after a reflection over the line $x=1$. count to the line

4H XV vertical