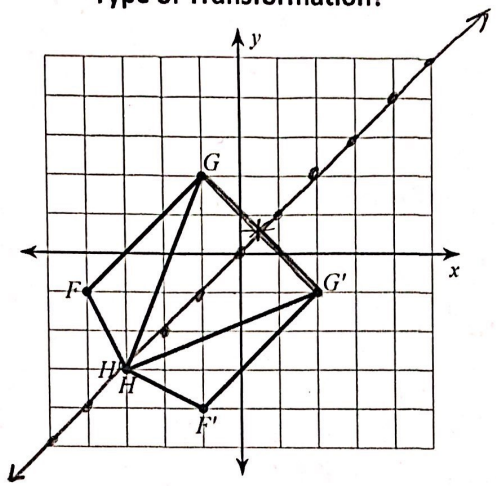
Key

Type of Transformation?



1. List the order of the letters going around the triangle CCW starting with G and then G'
   G, F, H ⇒ G', H', F'
2. Graph the line of Reflection.
3. ΔGFH was Reflected over y = x
4. Rule: f(x, y) = (y, x)
5. Label the midpoint of $\overline{GG'}$. What do you notice?
   (-1, 2) and (2, -1) It lies on the line of Reflection
   $\left(\frac{-1+2}{2}, \frac{2+-1}{2}\right) = (1/2, 1/2)$
6. Find the slope of $\overline{GG'}$. What do you notice?
   m = -3/3, -1 opposite reciprocal of slope of y = x

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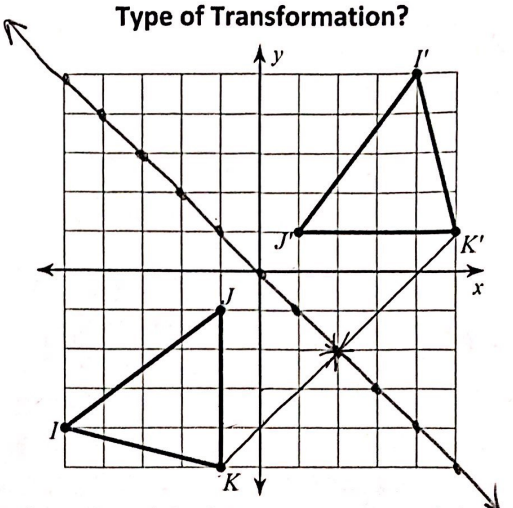

7. List the order of the letters going around the triangle CCW starting with J and then J'
   JIK ⇒ J', I', K'
8. Graph the line of Reflection.
9. ΔIJK was Reflected over y = -x
10. Rule: f(x, y) = (-y, -x)
11. Label the midpoint of $\overline{KK'}$. What do you notice?
    (5, 1) (-1, -5) It lies on the line of Reflection
    $\left(\frac{5+-1}{2}, \frac{1+-5}{2}\right) = (4/2, -4/2) = (2, -2)$
12. Find the slope of $\overline{KK'}$. What do you notice?
    m = 6/6 = 1 opposite reciprocal of slope of y = -x.

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