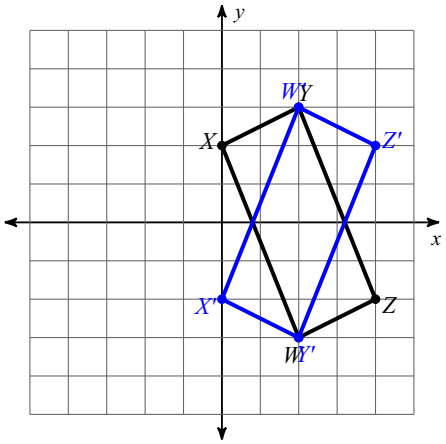
H Math 2 Name_____

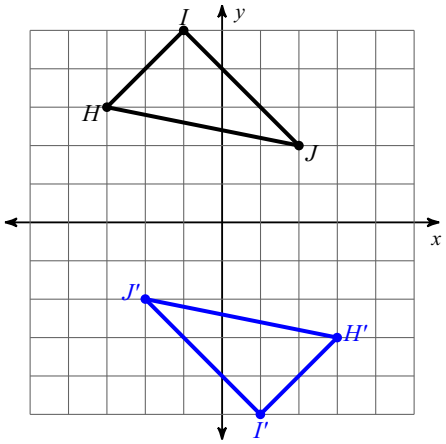
Transformation Practice

Write a rule to describe each transformation verbally and algebraically.

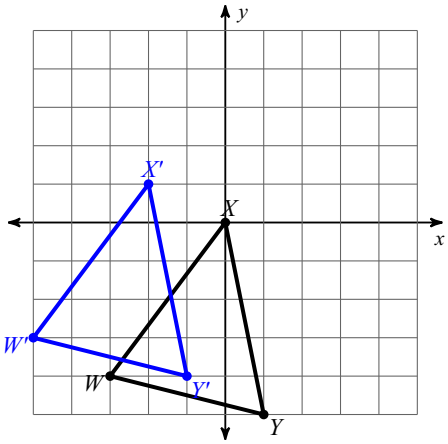
1)



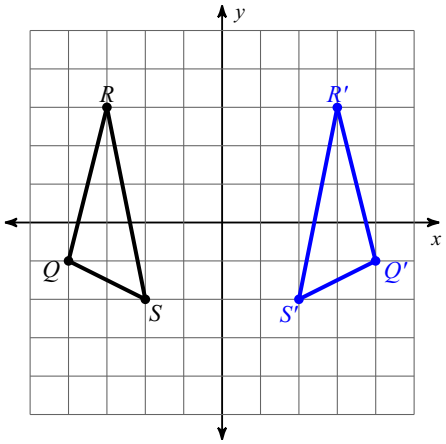
2)



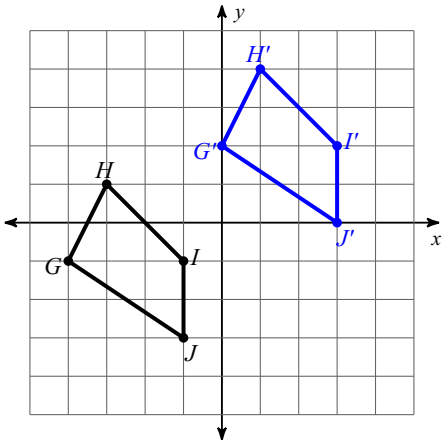
3)



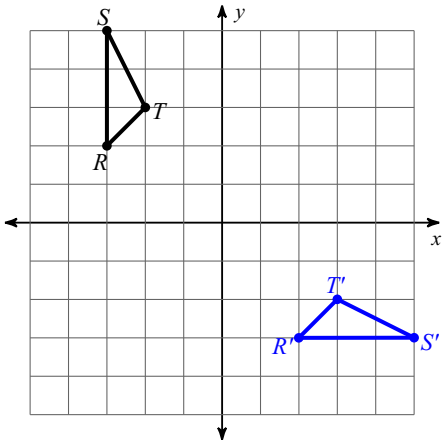
4)



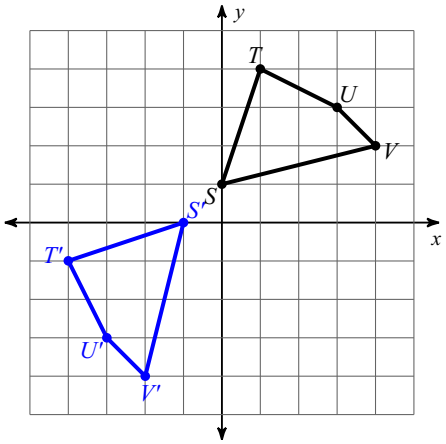
5)



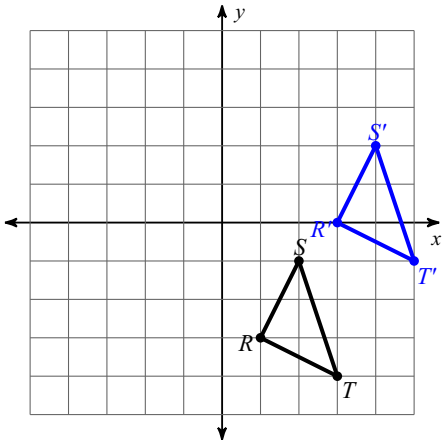
6)



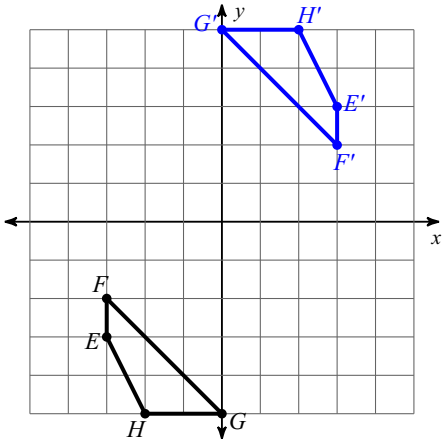
7)



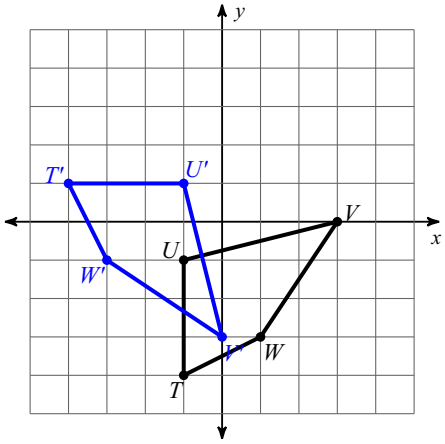
8)



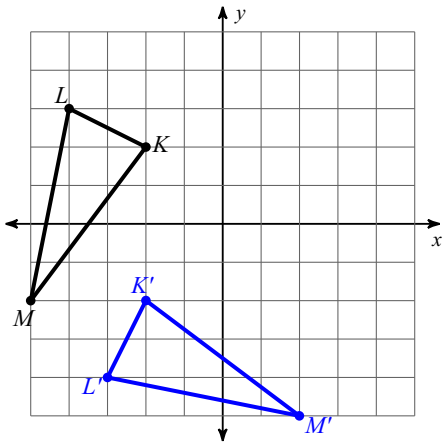
9)



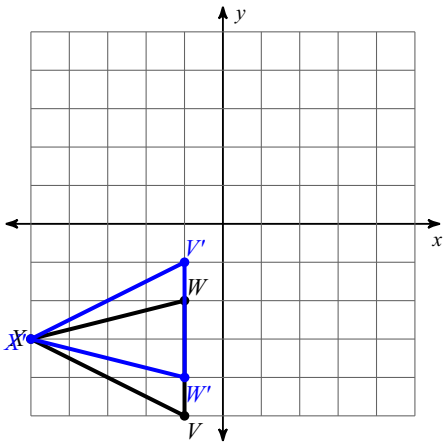
10)



11)

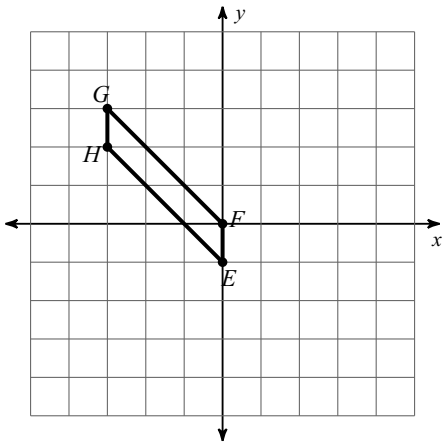


12)

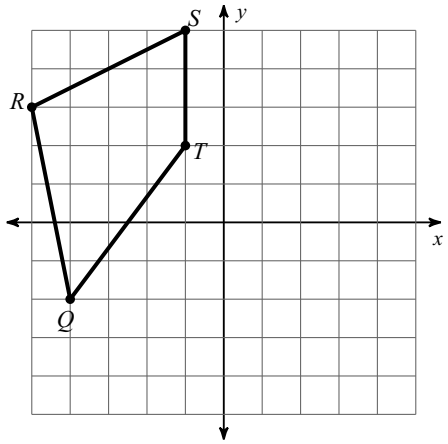


Graph the image of the figure using the transformation given and write the algebraic rule.

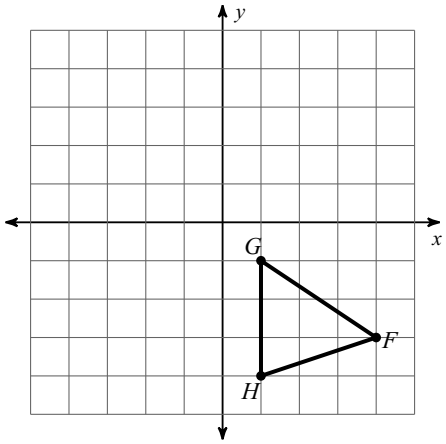
13) rotation 90° counterclockwise about the origin



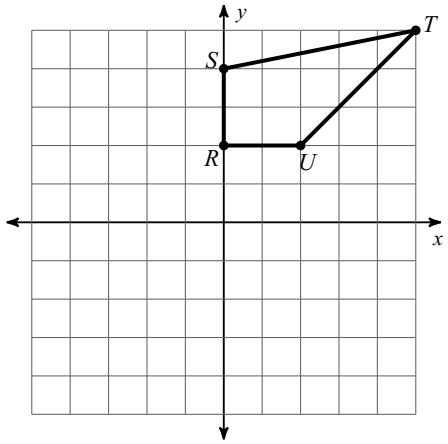
14) reflection across $y = -x$



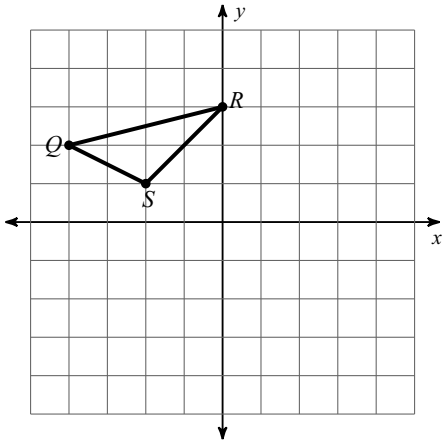
15) rotation 180° about the origin



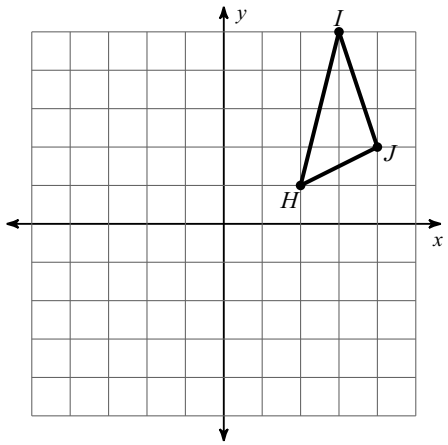
16) translation: 1 unit left and 6 units down



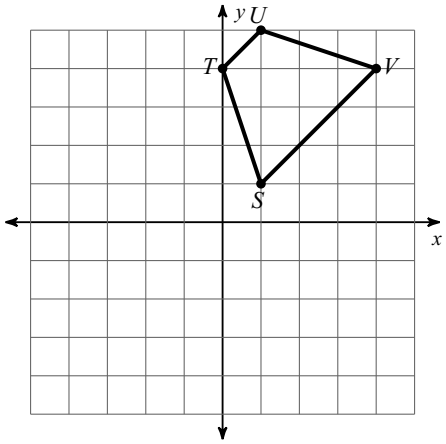
17) reflection across $y = x$



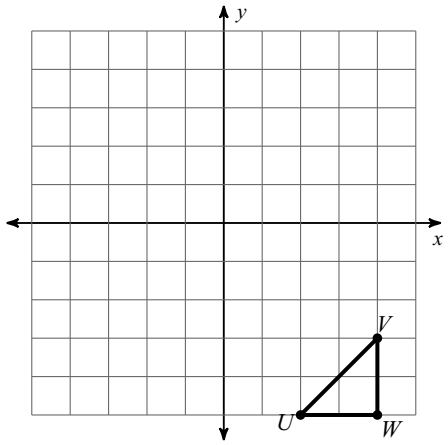
18) rotation 90° clockwise about the origin



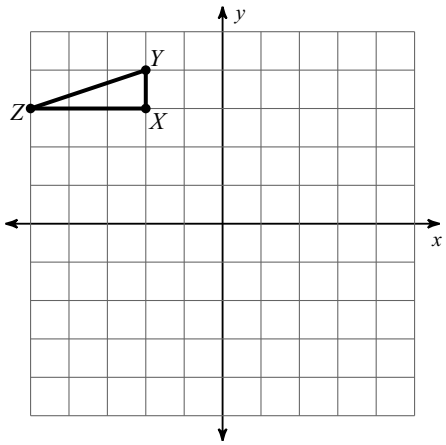
19) reflection across $y = 2$



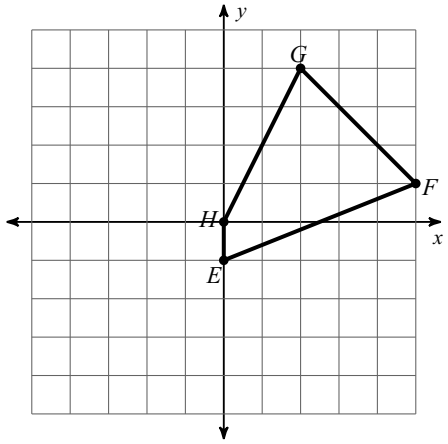
20) translation: 6 units left and 4 units up



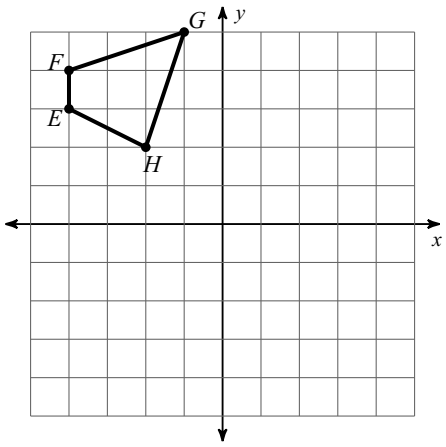
21) translation: 4 units right and 7 units down



22) reflection across $x = 1$



23) rotation 90° counterclockwise about the origin



24) rotation 90° clockwise about the origin