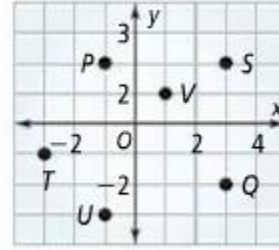


Find the coordinates of each image.

1. $R_{x=1}(Q)$ 2. $R_{y=-1}(P)$ 3. $R_{y\text{-axis}}(S)$
 4. $R_{y=1}(T)$ 5. $R_{x=-3}(U)$ 6. $R_{x\text{-axis}}(V)$

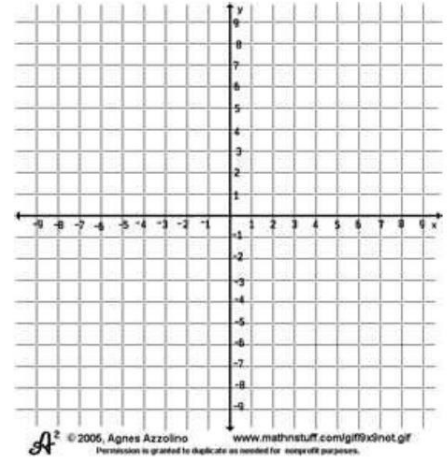
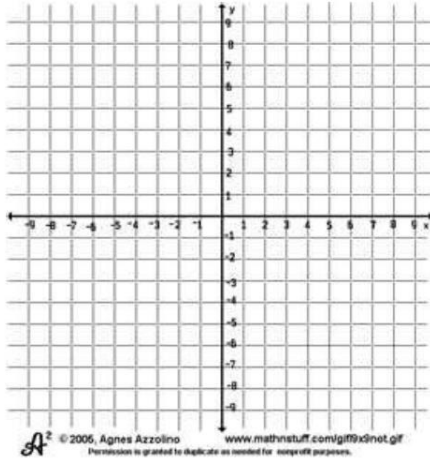
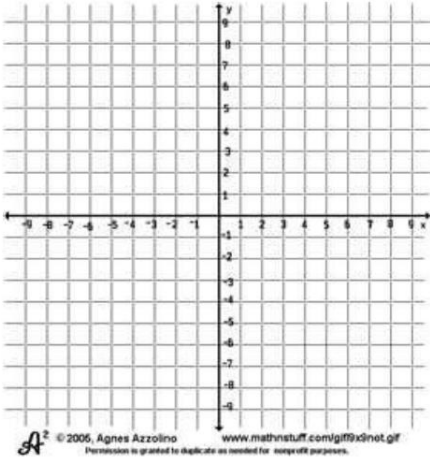


Given points $J(1, 4)$, $A(3, 5)$ and $G(2, 1)$, graph $\triangle JAG$ and its reflection image as indicated.

7. $R_{x\text{-axis}}$

8. $R_{y\text{-axis}}$

9. $R_{y=2}$



J' _____ A' _____ G' _____

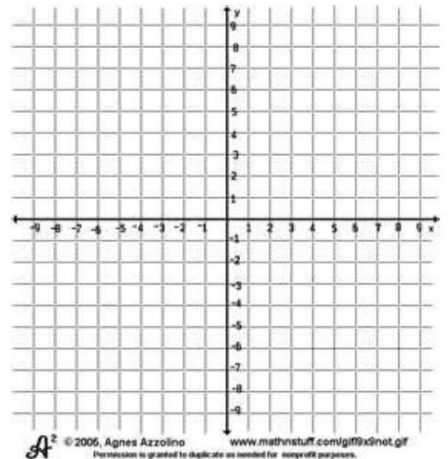
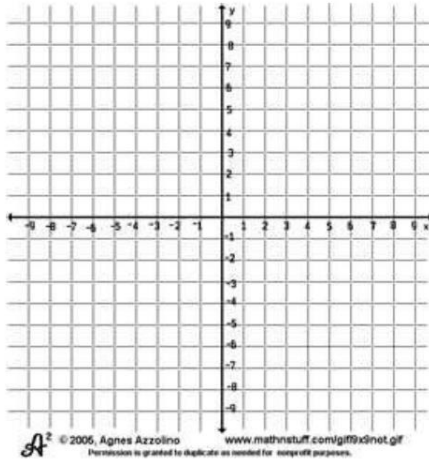
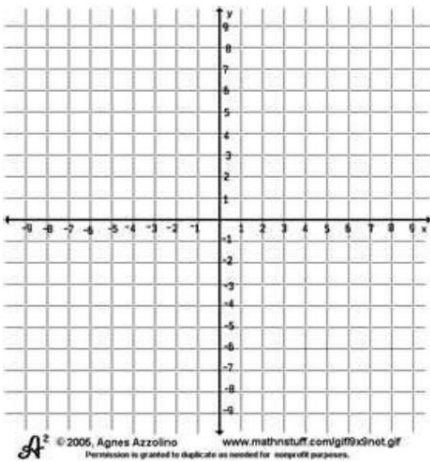
J' _____ A' _____ G' _____

J' _____ A' _____ G' _____

10. $R_{y=5}$

11. $R_{x=-1}$

12. $R_{x=2}$

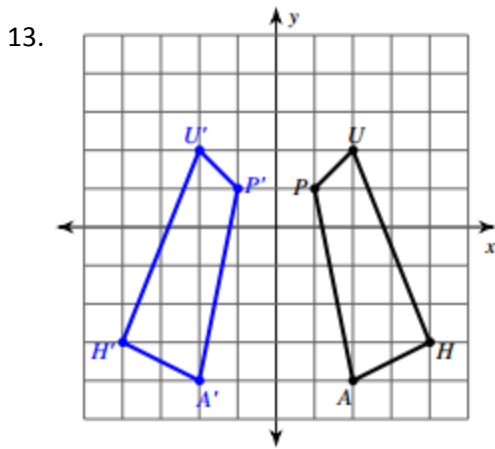


J' _____ A' _____ G' _____

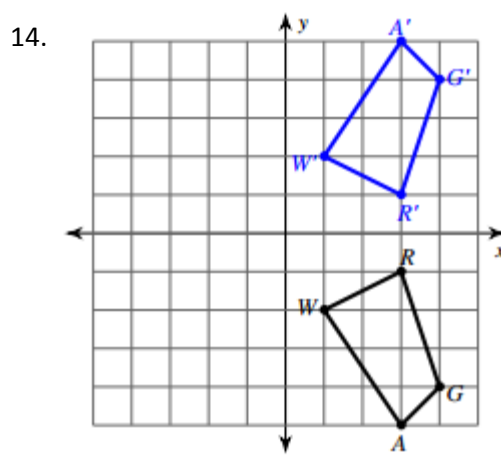
J' _____ A' _____ G' _____

J' _____ A' _____ G' _____

Write the rule for each transformation.

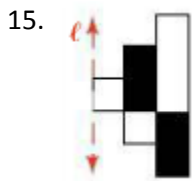


Rule _____



Rule _____

Graph the reflection image of the given figure over the given line.



17. What is the reflection image of (a, b) across the line $y = -6$?

- (A) $(a - 6, b)$
 (B) $(a, b - 6)$
 (C) $(-12 - a, b)$
 (D) $(a, -12 - b)$