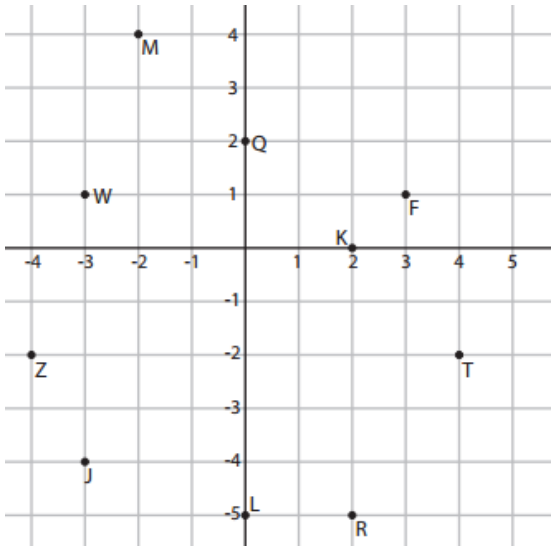
Name_____ Geometry 9-3 Worksheet

Find the coordinates of each image.

1. $r_{(90^\circ,0)}(Q)$ 2. $r_{(180^\circ,0)}(M)$ 3. $r_{(270^\circ,0)}(Z)$

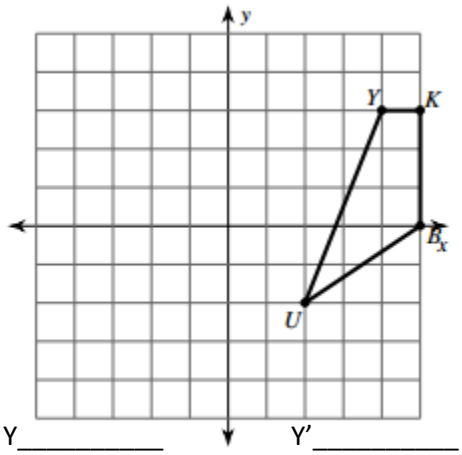
4. $r_{(90^\circ,0)}(T)$ 5. $r_{(270^\circ,0)}(F)$ 6. $r_{(180^\circ,0)}(K)$

7. $r_{(90^\circ,0)}(R)$ 8. $r_{(180^\circ,0)}(J)$ 9. $r_{(270^\circ,0)}(L)$



Graph the image of the figure using the transformation given. State the coordinates of each preimage and image point.

10. $r_{(90^\circ,0)}(YKBU)$



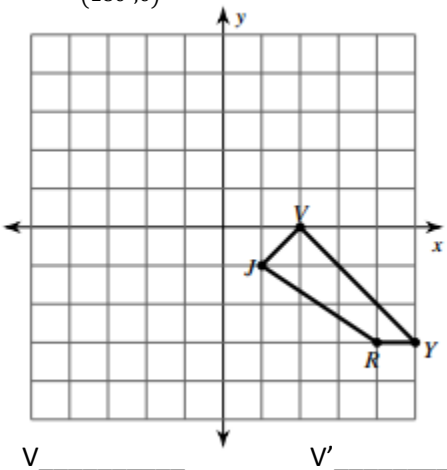
Y_____ Y'_____

K_____ K'_____

B_____ B'_____

U_____ U'_____

11. $r_{(180^\circ,0)}(VYRJ)$



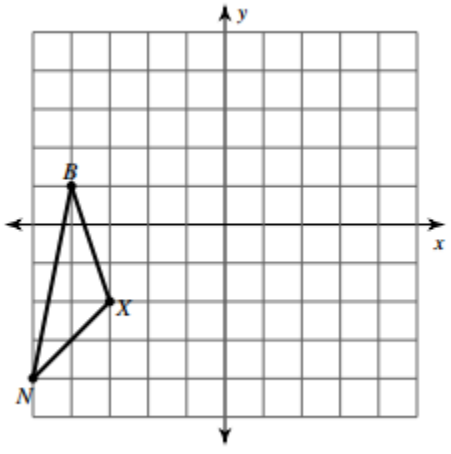
V_____ V'_____

Y_____ Y'_____

R_____ R'_____

J_____ J'_____

12. $r_{(270^\circ,0)}(BXN)$

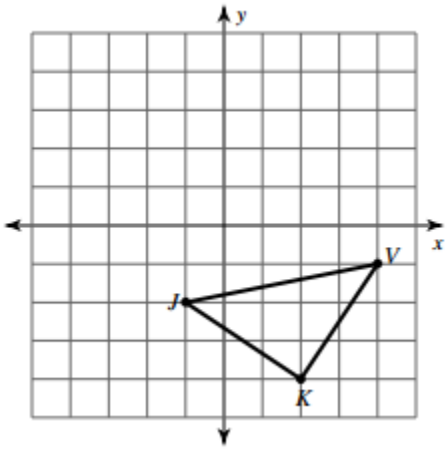


B_____ B'_____

X_____ X'_____

N_____ N'_____

13. $r_{(90^\circ,0)}(JVK)$



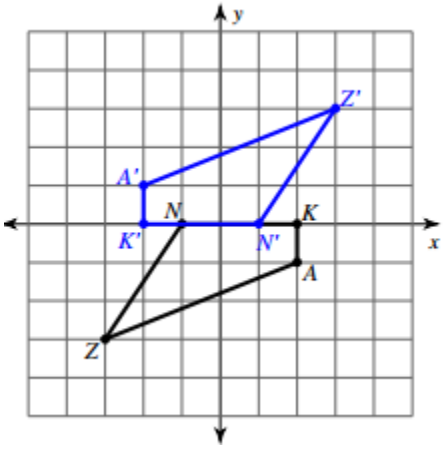
J_____ J'_____

V_____ V'_____

K_____ K'_____

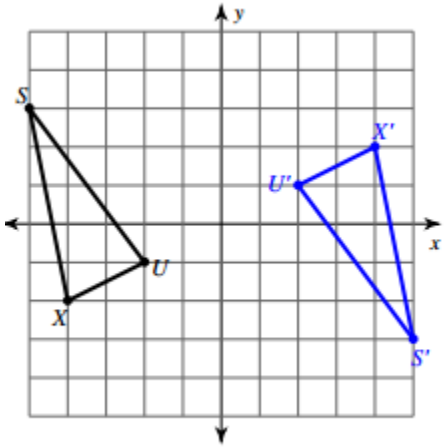
Write a rule to describe each transformation.

14.



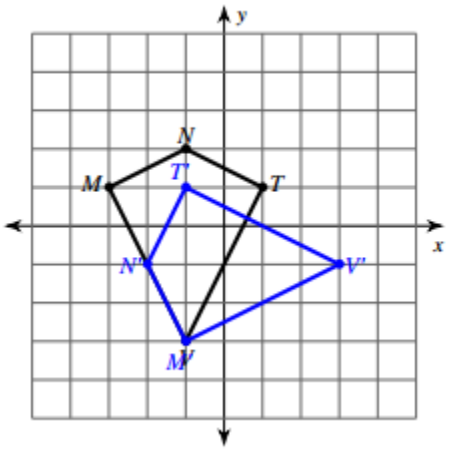
Rule_____

15.



Rule_____

16.



Rule_____