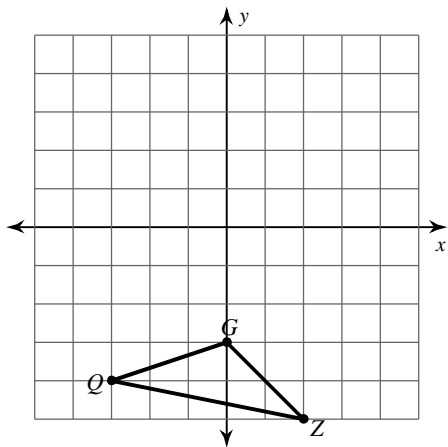


Translations

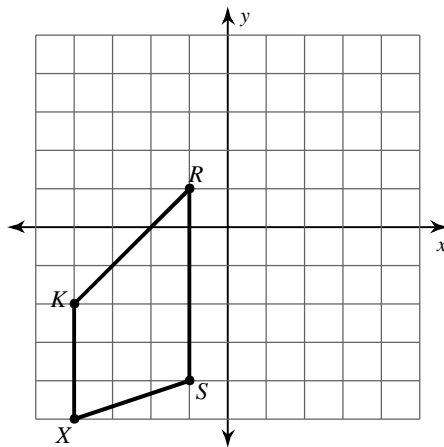
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Graph the image of the figure using the transformation given.

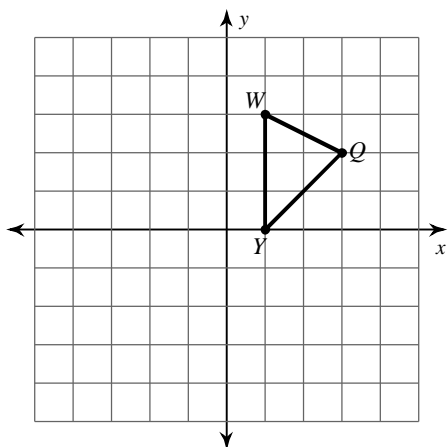
1) translation: 1 unit left and 4 units up



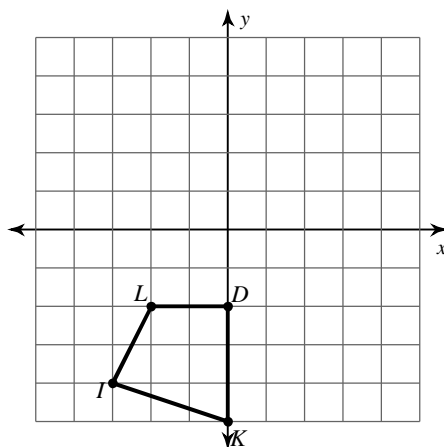
2) translation: 1 unit right and 2 units up



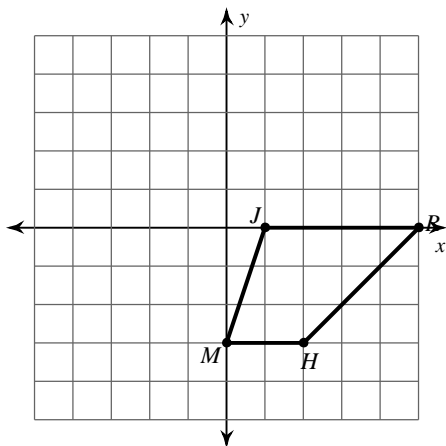
3) translation: 1 unit right and 4 units down



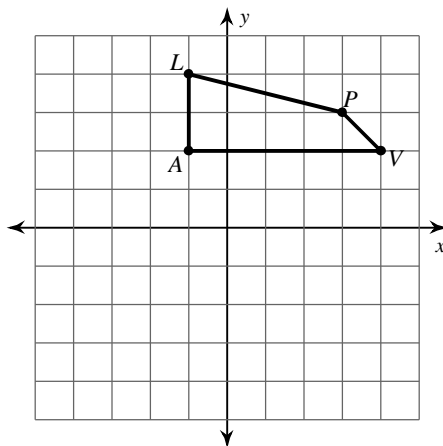
4) translation: 1 unit right and 6 units up



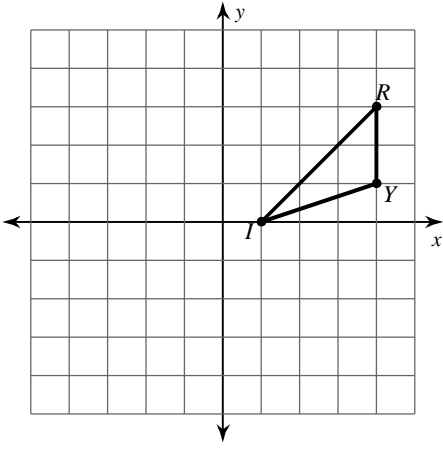
5) translation: $(x, y) \rightarrow (x - 3, y + 1)$



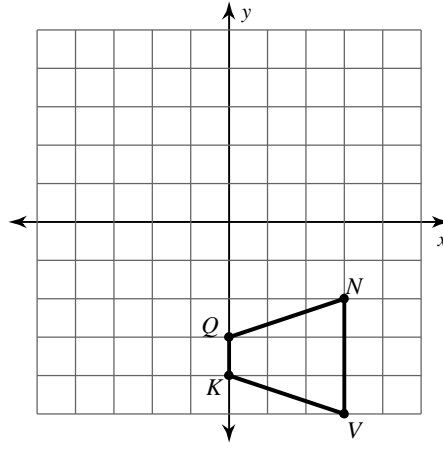
6) translation: $(x, y) \rightarrow (x - 2, y - 6)$



7) translation: $(-6, -4)$

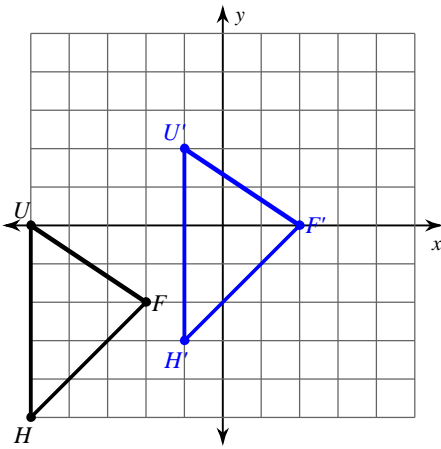


8) translation: $(-1, 3)$

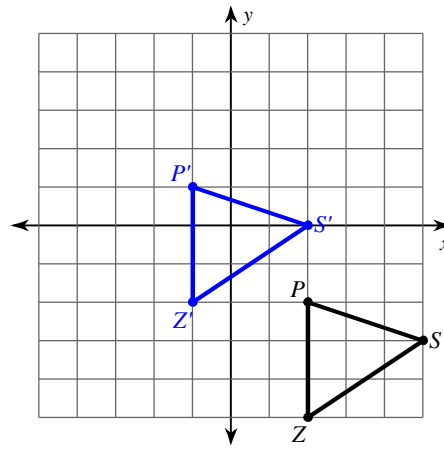


Write a rule to describe each transformation.

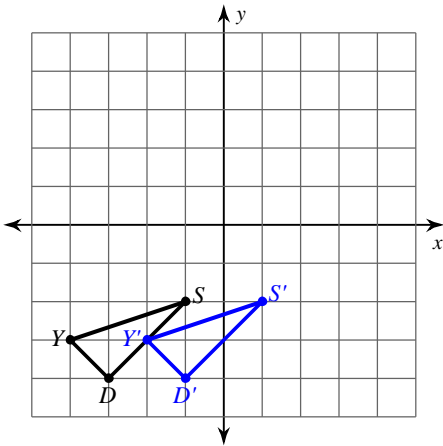
9)



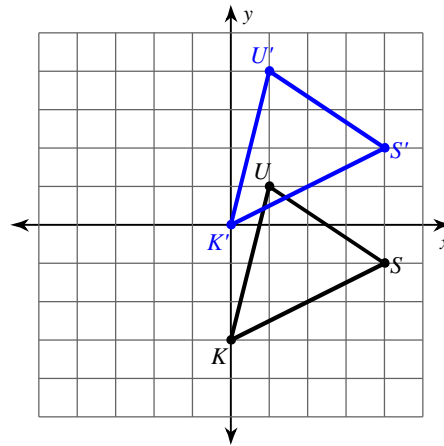
10)



11)



12)

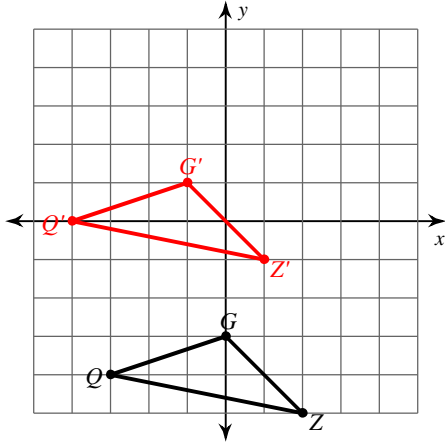


Translations

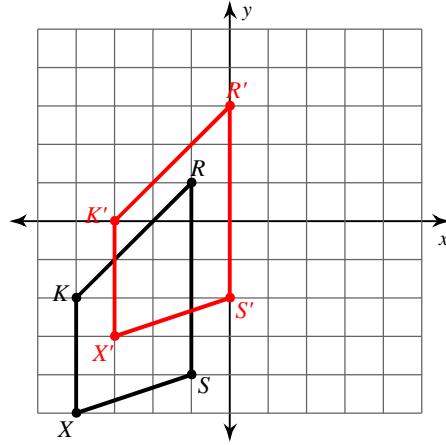
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Graph the image of the figure using the transformation given.

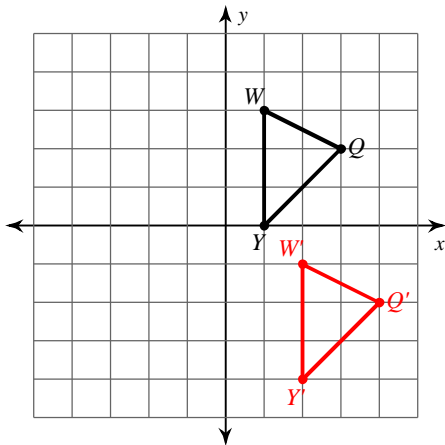
1) translation: 1 unit left and 4 units up



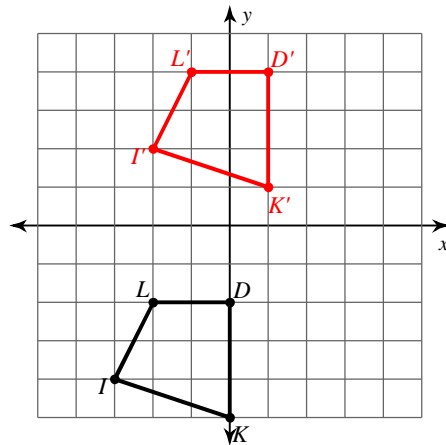
2) translation: 1 unit right and 2 units up



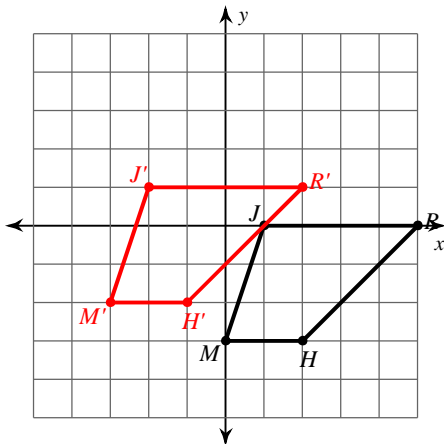
3) translation: 1 unit right and 4 units down



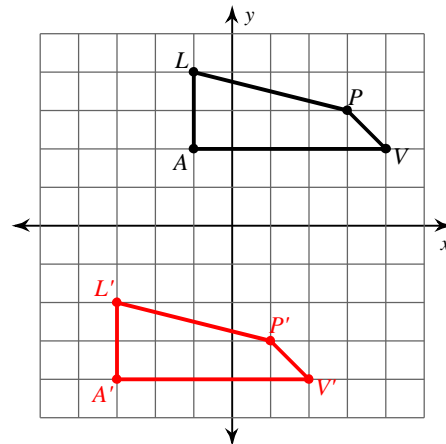
4) translation: 1 unit right and 6 units up



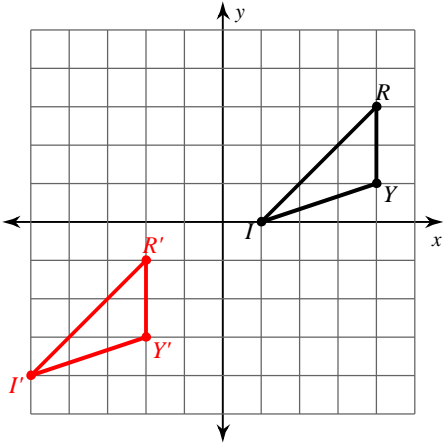
5) translation: $(x, y) \rightarrow (x - 3, y + 1)$



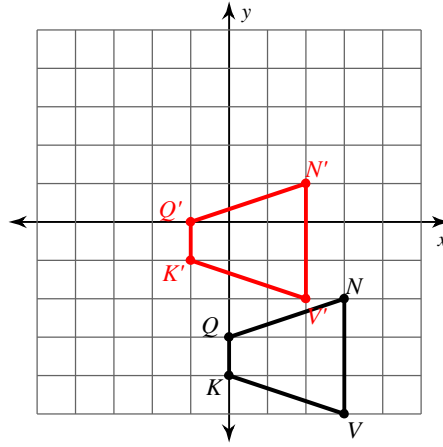
6) translation: $(x, y) \rightarrow (x - 2, y - 6)$



7) translation: $(-6, -4)$

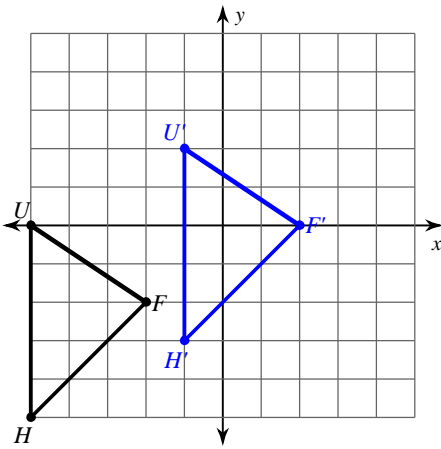


8) translation: $(-1, 3)$



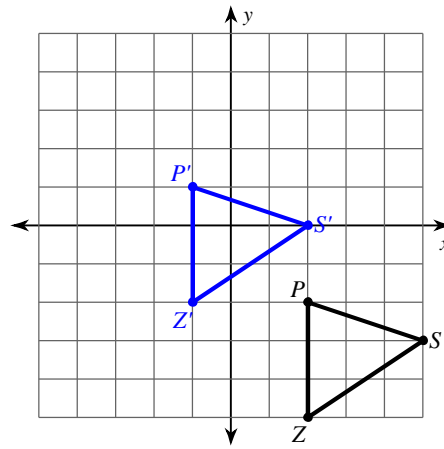
Write a rule to describe each transformation.

9)



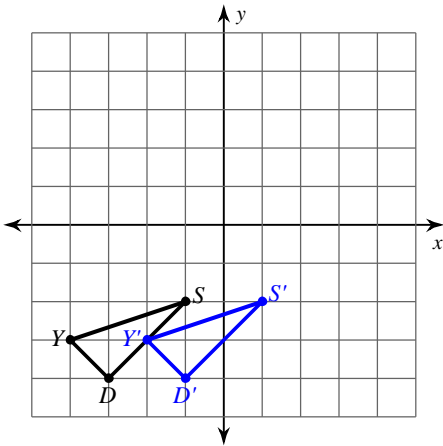
translation: $(4, 2)$

10)



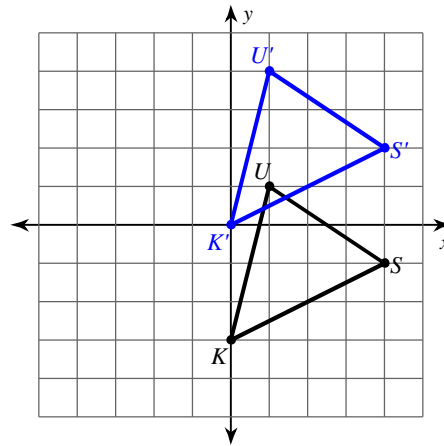
translation: $(-3, 3)$

11)



translation: $(2, 0)$

12)



translation: $(0, 3)$