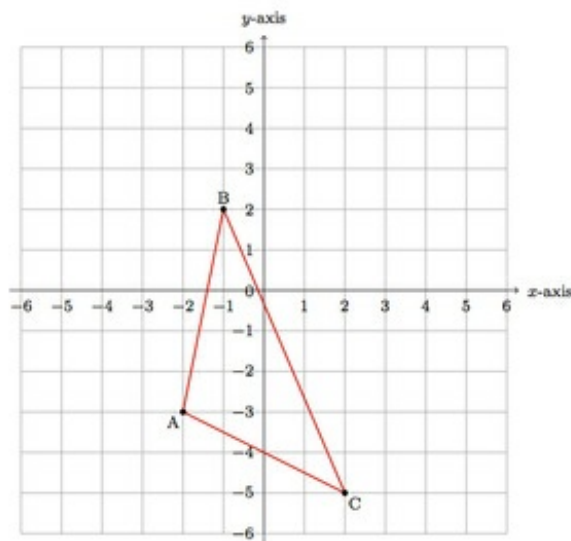


G-CO Horizontal Stretch of the Plane

Task

Suppose f is the map of the plane which takes each point (x, y) to the point $(x - 3, y)$ and g is the map of the plane that takes each (x, y) to $(3x, y)$.

a. Below is a triangle ABC .



Show the image of $\triangle ABC$ after applying each of the maps f and g .

b. Does f preserve distances and angles? Explain.

c. Does g preserve distances and angles? Explain.



G-CO Horizontal Stretch of the Plane

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