

Geometry – Rigid Motion Transformations
10b Homework: Reflections

Name _____
Period _____ Date _____

Reflective symmetry is often considered aesthetically pleasing to the eye and we can find examples of reflective symmetry in everyday life experiences: art, architecture, markings on an animal, interior design, company logos, patterns on clothing, and the features on someone's face, just to name a few.

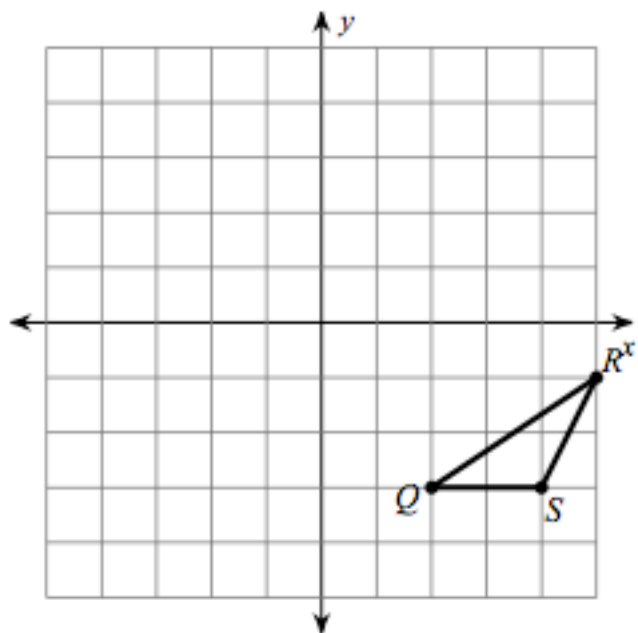
Identify at least 4 items that you notice in the world around you that have reflective symmetry: for example, physical objects, people, pictures in a magazine, artwork on a skateboard, the design of a tattoo, a company's logo that you notice on a webpage or even a photograph of friends or family members.

1. Complete the chart below to list the items and describe how it is an example of reflective symmetry.

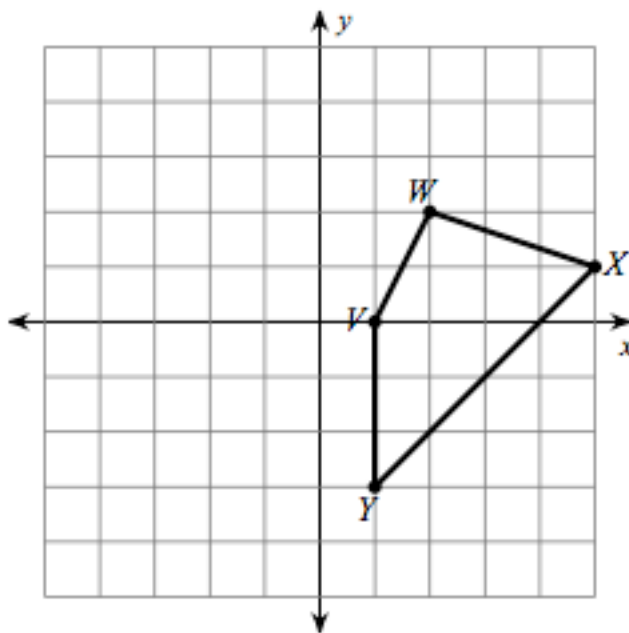
Item	Description of how it is an example of <u>reflective symmetry</u>

Graph the image of the reflection over the given line. Be sure to draw in the dotted line of reflection.

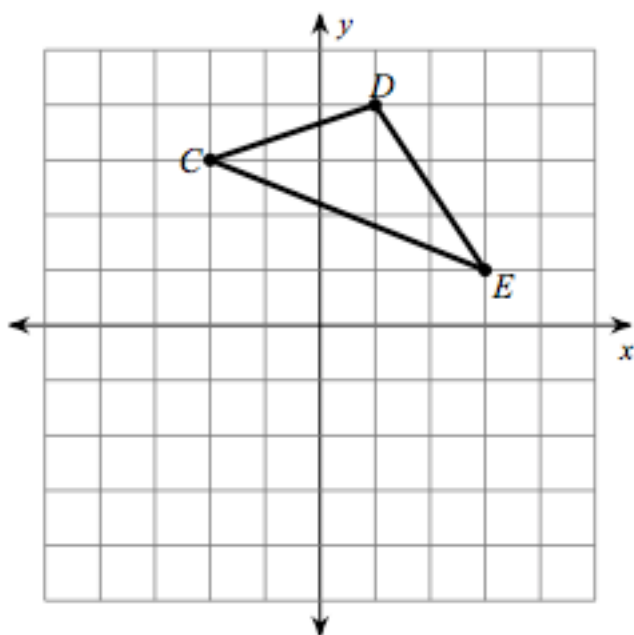
2. reflection over $y = 1$



3. Reflection over the y-axis



4. Reflection over y-axis



5. Reflection over $x = -1$

