

Geometry 9-1 Day 2

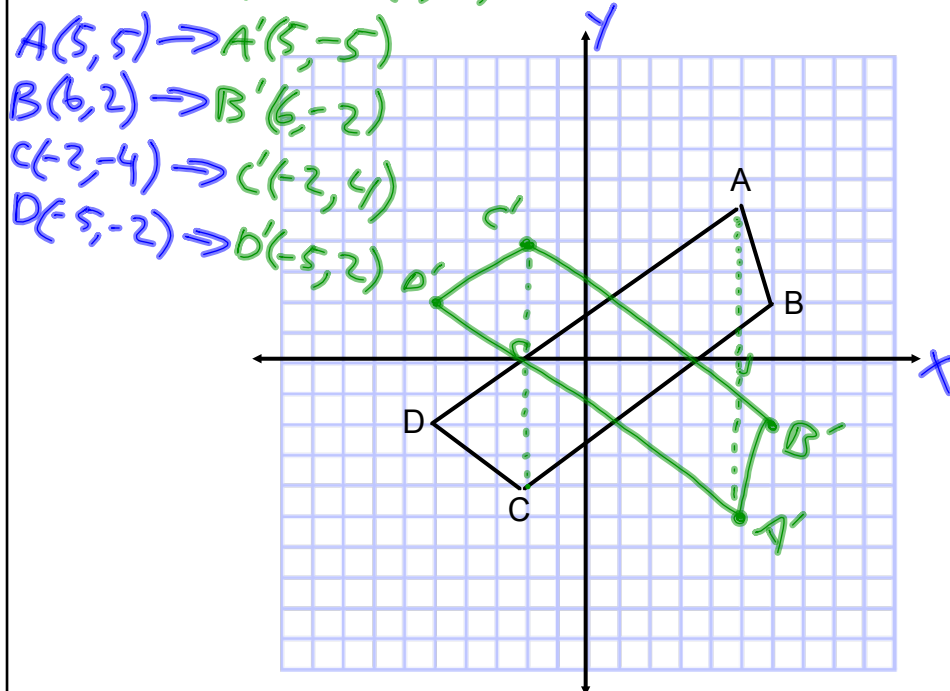
Line of Symmetry:

- * When a figure can be folded so that the two halves match exactly, you are folding on the line of symmetry.
- * You may have 0, 1, 2, or more lines of symmetry.

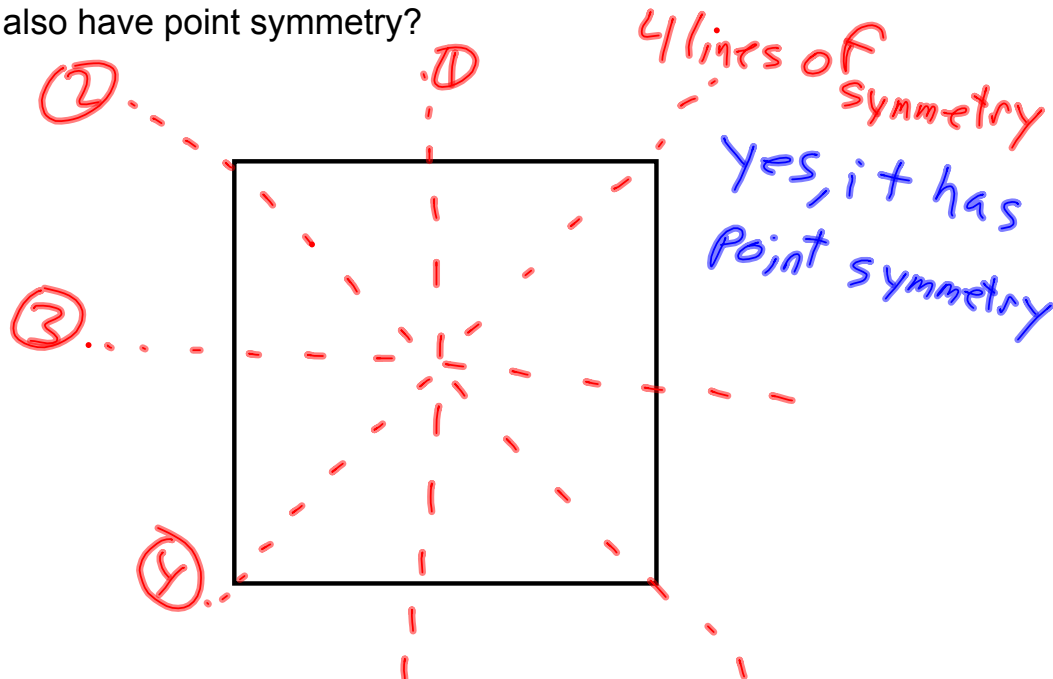
Point of Symmetry:

- * When some figures have a point that is a common point of reflection for all points on a figure.
- * The midpoint of all segments between the image and the preimage.

1.) Graph the image of ABCD which is a reflection over the x-axis. $(x, y) \rightarrow (x, -y)$



2.) Determine how many lines of symmetry a square has. Does it also have point symmetry?



3.) Determine how many lines of symmetry a regular pentagon has. Then determine whether a regular pentagon has point symmetry.

