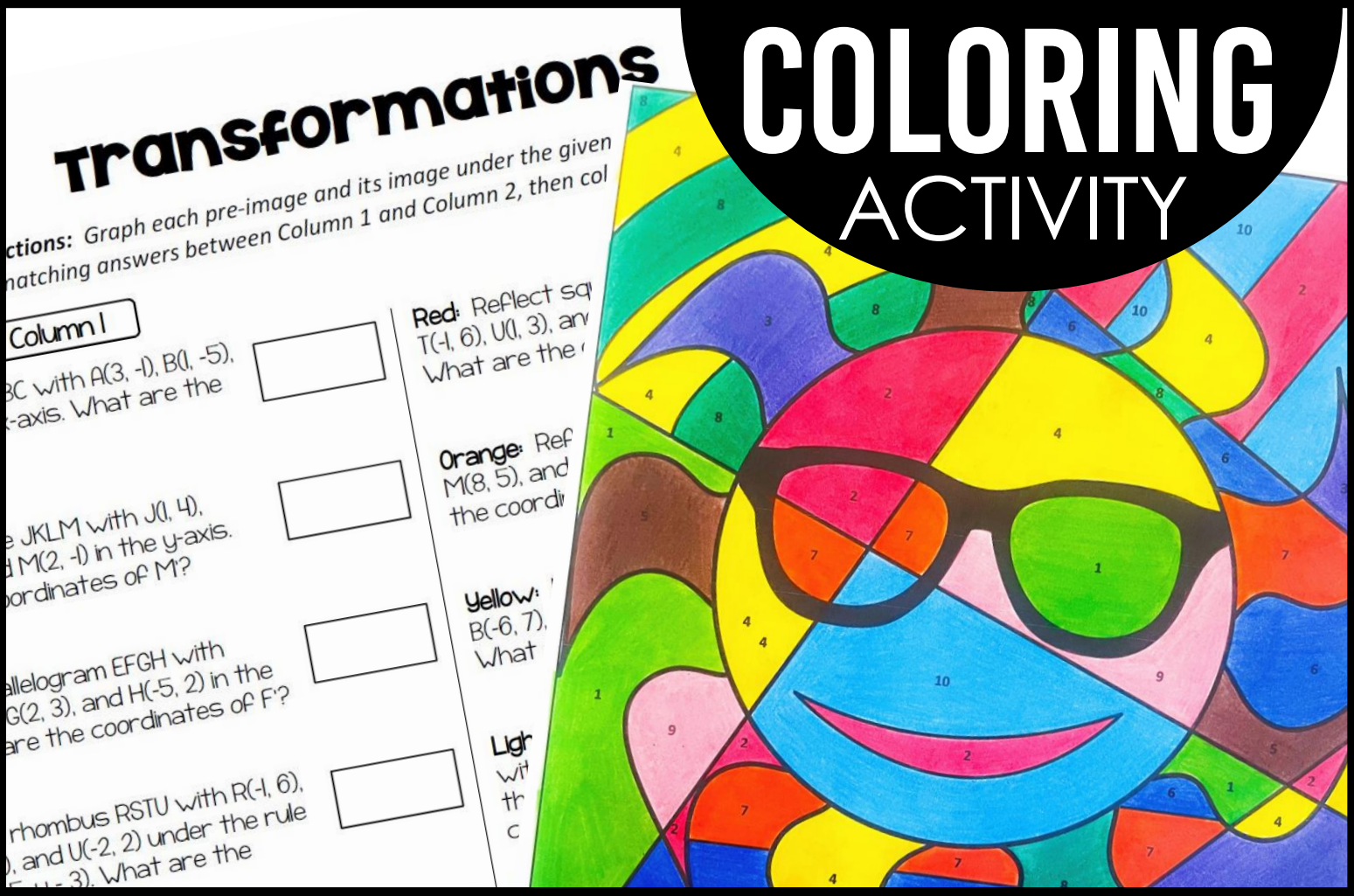

TRANSFORMATIONS

Reflections, Translations, Rotations, & Dilations

Created by: ALL THINGS ALGEBRA®

TRANSFORMATIONS
Coloring Activity!

Objective: To practice graphing transformations including reflections, translations, rotations, and dilations. Reflections include the x-axis and y-axis. Rotations include 90°, 180°, and 270° about the origin. For all dilation problems, the origin is the center of dilation.

Directions:

1) Pair students together. Assign one partner Column 1 and the other partner Column 2. Each student needs a copy of the problems, the graphs and the sun.

2) Students work on their own side, graphing each pre-image and its image under the given transformation. They will be asked to identify a certain point after the transformation. After they have completed all 10 problems, they compare answers. They will have matching answers that will indicate how to color the sun. For example, if #1 is (1, 5) and light green is (1, 5), then all 1's are light green on the sun.