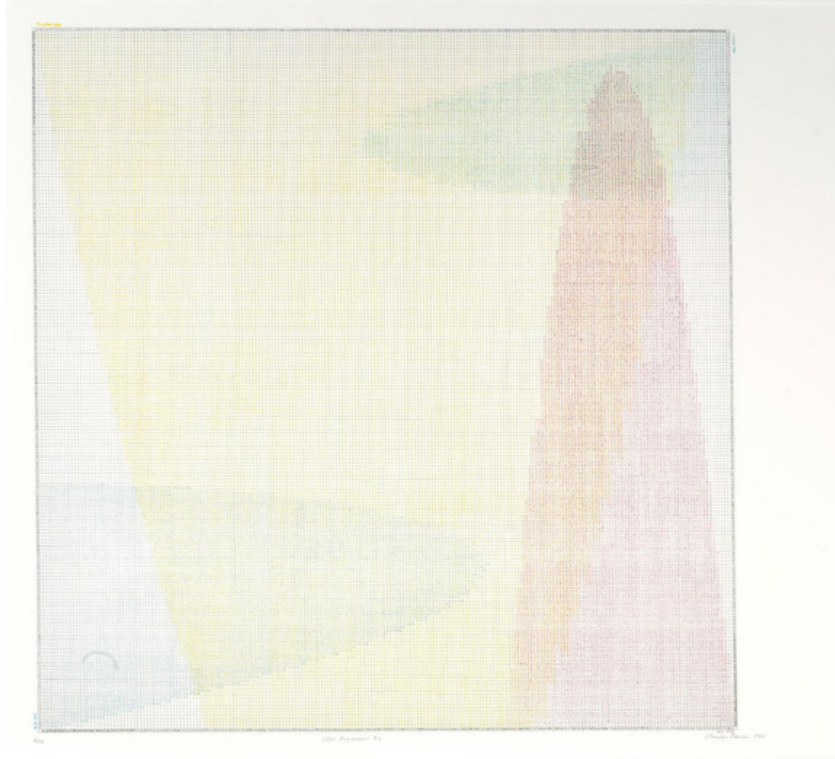


Parabolic Curve Art

Inspired by the work of Charles Gaines



Charles Gaines, Color Regression #3, 1978-1980. Lithograph, 28" x 31 5/8".
© Charles Gaines. Courtesy the artist and Hauser & Wirth.

Charles Gaines is a pivotal figure in the field of conceptual art whose work looks at perspective, aesthetics, mathematics, and philosophy.

VOCABULARY

Parabola: in math, a parabola is a curve that is mirror-symmetrical (one half looks the same as the other half) and is U-shaped.

Parabolic curve: creating a parabola shape using straight lines.

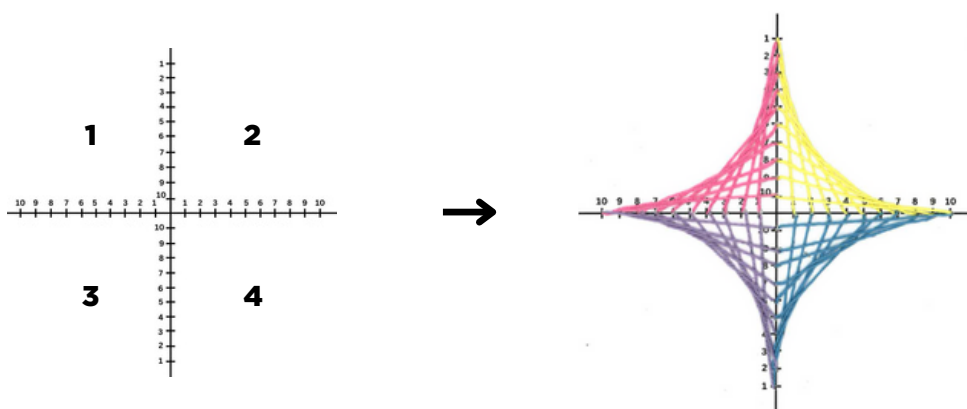
MATERIALS

- A print out of the worksheet below - variation: use a blank piece of paper and draw the graph using the worksheet as reference (notice that this is not a regular graph).
- A drawing utensil or multiple utensils to add variation in color such as a pencil, a pen, colored pencils, or markers.
- A ruler or straight edge

Variation: use string instead of drawing the lines by threading the string and punching holes through the axis points.

INSTRUCTIONS

- 1.) Print out the worksheet below and gather your materials
- 2.) Notice that the graphing template has four quadrants, or sections (as pictured). Starting in one quadrant, connect each number using a ruler. 1 to 1, 2 to 2, and so on.
- 3.) Continue in each of the quadrants and you should end with a curving diamond shape as pictured. Feel free to experiment with using different colors for different lines.



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