

MAA Metro NY Problem of the Month

June 2026

Carefully sketch the region enclosed by

$$\frac{(2xy)^{2/3} + (x^2 - y^2)^{2/3}}{(x^2 + y^2)^{1/3}} = 1$$

and find the area enclosed by the curve.

Computer or AI assisted/generated solutions will not be accepted. Please send your solution to maanyproblems@gmail.com, including your name (your given name first) and school affiliation if applicable. Solutions are due on June 30.