Answer on Question #76410- Math –Algebra

Is the curve symmetric about the line ? Justify your answer.

**Solution**

Symmetry tests for polar coordinates: Replace with and with . If an equivalent equation results, the graph is symmetric with respect to [1]

**Answer**: the graph of the curve is symmetric with respect to .

References:

1. https://faculty.math.illinois.edu/~rasekh2/math231(s2016)/PolarEquations.pdf