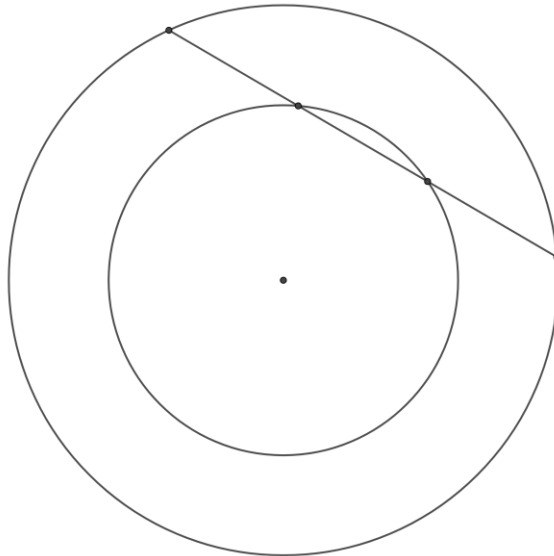# Pi Mu Epsilon
Problem of the Month November 2024

Two concentric circles are drawn so that a 90 cm chord of the larger circle is cut into three segments of equal length by the smaller circle. The sum of the lengths of the radii of the two circles is also 90 cm. Find the ratio of the larger radius to the smaller radius.

Problem of the Month Rules:

- Submissions must include a complete solution to the puzzle.
- Submissions may only be made by individuals or groups of two, and must be dated.
- Due date: November 25, 2024 before 5 p.m. to one of Drs. Poplin, Shoenthal, Ledford, or Hoehner.

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