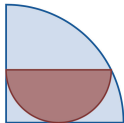# MATH PROBLEM OF THE WEEK

**Fall 2023**

## Problem 6

If the area of the semi disk is 25, then what is the area of its circumscribing quarter disk? Justify your answer.



**We welcome solutions from everyone. The undergraduate participant from the NMSU main campus with the most correct solutions at the end of the semester will receive an award of $500.**

Solutions must be mathematically rigorous and originally obtained by the participants.
Participants will be notified if their solutions are correct within a week.

**Deadline: Monday, November 13, 10 am**
Next problem will be posted on November 13

### Send solutions to: mathpotw@nmsu.edu
More information at: https://math.nmsu.edu/activities/math-problem-of-the-week.html