



# MATH PROBLEM OF THE WEEK

Spring 2022

## Problem 6

Show that there are only three right triangles with integer sides, up to congruence, whose area is twice the perimeter.

**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, April 4, 10 am**

**Send solutions to: [mathpotw@nmsu.edu](mailto:mathpotw@nmsu.edu)**

**More information at: <https://math.nmsu.edu/activities/math-problem-of-the-week.html>**