MATH PROBLEM OF THE WEEK

Fall 2021

Problem 7

Let p be a polynomial with integer coefficients. If $p(0)$ and $p(1)$ are odd, show that p has no integer roots.

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.

Deadline: Monday, November 8, 10 am

Send solutions to: mathpotw@nmsu.edu

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