

MATH PROBLEM OF THE WEEK

Problem 2

If a and b are two real numbers such that $a+b=\sqrt{14}$ and $a-b=\sqrt{12}$. Then find the value of

$$x = 2ab(a^2 + b^2).$$

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, October 16, 10 am

Next problem will be posted on October 16

Send solutions to: mathpotw@nmsu.edu