

Problem of the Week

Proposed by Bernardo Ábrego and Silvia Fernández

April 3-10

Find all pairs of positive integers
 (m, n) such that $m^2 - n^3 = 1$.

This contest is sponsored by the Mathematics Department. Open to all CSUN students.

Winner gets \$5 or an equivalent prize. All complete and correct solutions get a certificate.

Type and send your solution before April 10th, 9:00PM to silvia.fernandez@csun.edu.

All steps of the solution must be clearly justified.

For rules, winners, solutions, and more information visit: www.csun.edu/math/probweek