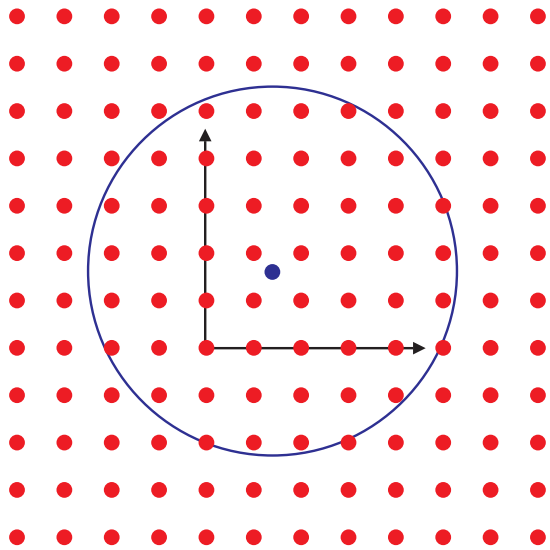


Problem of the Week

Proposed by Bernardo Ábrego and Silvia Fernández

October 9-16



Prove that a circle centered at the point with coordinates $(\sqrt{2}, \sqrt{3})$ passes through at most one point with integer coordinates.

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 October 16th, 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