

Problem of the Week

Proposed by Bernardo Ábrego and Silvia Fernández

December 1-8

Determine the expected value of the area of a triangle whose vertices are chosen uniformly and independently at random on a circumference of radius 1.

This contest is sponsored by the Mathematics Department. Open to all CSUN students. Winner gets \$10 or an equivalent prize. All complete and correct solutions get a certificate. Type and send your solution before December 8th, 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