

Problem of the Week

Proposed by Bernardo Ábrego and Silvia Fernández

October 2-9



Zeus, Athena, and Poseidon visit Mount Olympus exactly once every day. They each arrive at a random time between 8:00 AM and 5:00 PM, and stay for 2 hours. If two of the three gods meet at Mount Olympus on a given day, then the next day will be a good day on Earth.

Find the probability of having a good day.

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 9th, 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