Maximum Area
Problem provided by the Editor

Find the maximum area of a rectangle inscribed in a semicircle of radius \( r \).

NMU undergraduates may submit solutions to the Mathematics and Computer Science office, 2200 Jamrich Hall, by noon the last day of a month. Include your name, NMU IN, and whether you have completed Calculus 1 (MA 161) or higher. Sorry no fax or email submission.