Xtreme Grids
Problem provided by the Editor
There are 126 ways to fill in a three-by-three grid with exactly five Xs and four Os. How many of these have at least one row, column, or diagonal with 3 Xs?

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, ID student, and whether you have completed Calculus 1 (MA 161) or higher. Sorry no fax or email submission.

Department of Mathematics and CS Homepage can be found at http://www.nmu.edu/mathandcomputerscience/