CS161 Final Proficiency Demonstrations (2-D array)

A magic square is one where the numbers in a 2-D array are arranged such that the sum of each column, each row, and each diagonal equal the same number. Example of a magic square (all columns, rows, and diagonals equal 15):

- 2 7 6
- 9 5 1
- 4 3 8

Write a program to **create a 3x3 two-dimensional** array on the **stack**:

- Fill the array with random numbers, 1-9 (inclusive), for each element in the array
- Write a function, **bool fun(int a[][3], int size)**, to:
 - Determine if the array is a magic square.
 - Return true if the array is magic, and false otherwise.
- Print the array, and whether it is a magic square, for the user.