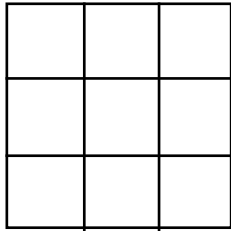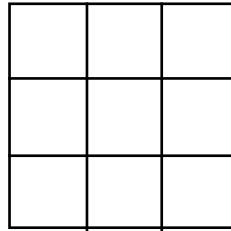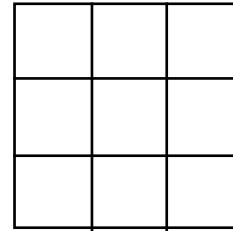**Algebra and Representation HW #1**

1. Given the work in class today with Magic Squares and the digits 0 – 8, create magic squares with the digits 1 – 9; 2 – 18 (even digits); and 5 – 13.

A

B

C

What is the magic number for each? A = _____ B = _____ C = _____

2. There are several ways that you can use a single set of digits to create a magic square. Using the digits 1 – 9 (one of which you have done in A above) see how many ways you can arrange these digits to form a magic square. Be able to explain how each of them is different.