DIAGONAL SUDOKU

Fill digits 1-9 in the empty spaces of the grid so that they appear exactly once in each row, column, and 3×3 square.

Digits 1-9 must also appear uniquely along the two main diagonals indicated by grey lines.

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