CENTER DOT 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 in the center dot pattern indicated by the shaded cells.

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