EVEN-ODD SUDOKU

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

Additionally, cells with gray circles must contain odd digits and those with gray squares must contain even digits.

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