Helpful Sudoku

Puzzle 01 of 10 | X Sudoku

Hard | 18 clues | Clues without candidates

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

https://helpful-sudoku.com

Every row, column and 3 x 3 box contains 1-9 once. Both diagonals do too.

Notes:

Hard:

X Sudoku with one to three branching choices, or no branching choices with more hidden singles than naked singles.

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Puzzle 01 of 10 | X Sudoku

Hard | 18 clues | Clues + candidates

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

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Candidates show legal possibilities in the starting grid. Cross them out as you solve.

Hard:

X Sudoku with one to three branching choices, or no branching choices with more hidden singles than naked singles.

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Puzzle 01 of 10 | X Sudoku

Hard | 18 clues | Solution

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

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Every row, column and 3 x 3 box contains 1-9 once. Both diagonals do too.

Original clues are bold. Other digits complete the solution.

Hard:

X Sudoku with one to three branching choices, or no branching choices with more hidden singles than naked singles.