Exercise 1 Fill in the following table by specifying the set of the interior points, boundary points, the closure, the exterior, the isolated points and the closure.

Nr.	A	int A	bd A	cl A	ext A	Izo A	A'
1	$(-\infty, -1] \cup (2, +\infty)$						
2	$(-1,9] \cup [10,20)$						
3	$\left( (-1,9] \cup [10,20) \right) \cap \mathbb{N}$						
4	$\{1, 2, 3\}$						
5	N						
6	$\mathbb{R} ackslash \{1,2,3\}$						
7	$\mathbb{R} \backslash \mathbb{N}$						
8	$\mathbb{Z}$						
9	$\mathbb{R} ackslash \mathbb{Z}$						
10	Q		-				
11	$\mathbb{R} ackslash \mathbb{Q}$						
12	R						

Prove your statements for sets with the numbers (in the first column of the table) 1,3,5,6,9,11.