Exercises

In exercises 4-7 compute the rank of each matrix.

	г1		2	1	L	3	
4-	2	-	1	_4	ł	-5	
	7	8	3	-5	5	-1	
	L_{10}	1	4	-2	2	8	
	г1	2	1	3	5		
5-	2	1-	-4	-5			
	1	1	0	0			
	L0	0	1	1	Ţ		
6-	[1	L	2	3	1		
	-1	L	2	1			
	L 3	3	1	2]		
7-	Г1	_	-2	_	1]		
	2	_	-1	3	3		
	L7		-8	3	3		

In exercises 8 and 9, use theorem 3.1.7 to determine whether each matrix is singular or nonsingular.