8.1. [20 points] Define a minimal set of MC/DC (Modified Condition/Decision Coverage) tests for `(!a) | (b&c)` — in words, "not **a** or (**b** and **c**)." Why is your answer a minimal set?

	a	(!a)	b	c	(!a)|(b&c)	(!a)	b	c
							3	2
1	T	F	T	T	T	6		1
2	T	F	T	F	F	7	1	
3	T	F	F	T	F	8		
4	T	F	F	F	T			
5	F	T	T	T	T	2		
6	F	T	T	F	T	3		
7	F	T	F	T	T	4		
8	F	T	F	F				

For (!a): pair 2,6 , pair 3,7 and pair 4,8

pair 1,3 to test the ~~outcome~~ effect of b on the outc

pair 1,2 to test the effect of c on the outc

So, the minimum set are:

1,2,3,6 or 1,2,3,7

8.2

Parameter Testing

This corresponds to the **Unit tests** and **Functional tests**. Because this process focuses on each component.

Assembly Testing

This corresponds to the **Integration tests.** Because the description says the “system is gradually assembled and tested” which refers to the Integration tests (combinations of unit).

System Evaluation

This should be the **System tests** since as the description says, the system is to be tested as completed.

Shakedown

This corresponds to the **Acceptance tests**, since the completed system will be tested in its environment as the description says.