Q2)

T_1	T_2
S(A)	
R(A)	
	S(A)
	R(A)
X(A)	
	cmt
W(A)	
cmt	

1) T_2: S(A) aquires a shared lock on item A

Item	Locks
A	S(T_2)

2) T_1: R(A) already has shared lock so it can proceed to read A

Item	Locks
A	S(T_1)

3) T_2: S(A) requests a shared lock on A.

Item	Locks
A	S(T_1, T_2)

4) T_2: R(A) has a shared lock so A can be read

Item	Locks
A	S(T_1, T_2)

5) T_1: X(A) T_1 requests exclusive lock on A but T_2 has shared lock, T_1 must wait

6) T2: cmt T_2 releases its shared lock on A after commit

Item	locks
A	S(T_1)

7) T_1: W(A) T_1 aquires X lock on A and writes to A

Item	Locks
A	X(T_1)

8) T_1: Cmt T_1 releases its X lock on A after commit