Jason Vu
COEN 21/21 Lab

a)

S M	L A
0 0	0 0
0 1	1 0
1 0	1 0
1 1	1 1

b) $L = \bar{S}M + S\bar{M} + SM$

$= \bar{S}M + S(\bar{M} + M)$

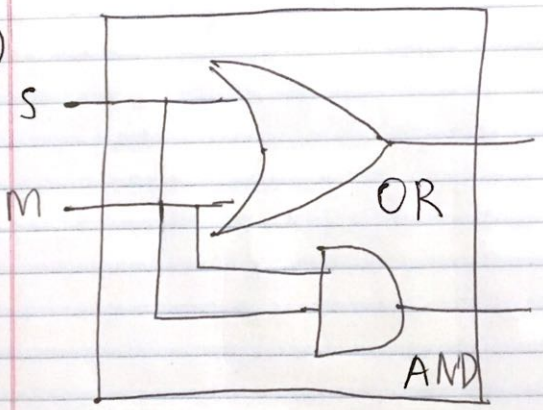
$= S + \bar{S}M$

$\boxed{L = S + M}$

$\boxed{A = SM}$

c)

Logic circuit diagram



L [L = S + M]

A [A = SM]